

THE BULLETIN

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Deeper Budget Reductions Could Affect Administrative Activities, President Says

BY SUZANNE SOTO

THE UNIVERSITY WILL LIKELY be forced to make further reductions in divisional budgets, particularly in areas of non-academic activities, and decrease compensation for all University employees over the next four years, President Robert Prichard told members of the Governing Council March 12.

The action must be taken to deal with drastic government funding cuts, a projected long-term deficit of \$120 million and the unwillingness of the U of T Faculty Association (UTFA) to accept an immediate salary freeze, Prichard said. Spending some of the University's \$122 million endowed adjustment fund is not one of the options, he said.

Prichard said his position was shaped, in part, by questions and comments at a series of public budget meetings held during the week of Feb. 10. He said the University must

cut almost \$10 million each academic year if it wants to prevent its annual operating deficit from swelling to \$119.9 million by 1995-96.

The University should set down "footprints" in the 1992-93 budget which would be consistent with "restoring us to equilibrium by 1995-96," he added. One of these "footprints" is to reduce salary compensation for all staff beginning next year. But this will likely not be achieved because of UTFA's refusal to either freeze wages or reopen salary agreements negotiated for 1992-93. The money, Prichard said, will have to come from somewhere else.

"Being unable to reopen the compensation agreements for next year, I think it is not possible to avoid supplementary budget reductions over the next four-year period."

The cuts will probably be of two types: a one-time only decrease to base budgets, followed by further divisional reductions for 1992-93 to

1995-96. Administrative portfolios and administrative activities in academic departments will likely experience the most immediate and largest decrease.

"I say that with no pleasure," he said. "I say that with full appreciation that that can have very adverse consequences for individuals but I think there is a strong view within the University that we must find ways to reduce differentially the administrative as opposed to the academic activities."

On the academic side, Prichard

said he believes the University "must provide another year, the 1992-93 year, if at all possible, with no significant base budget reductions." This would give the academic divisions time to prepare for reductions starting in 1993-94.

In a later interview, Prichard gave no further details as to where the cuts would be made or how large they would be. "The numbers are still coming together and I think putting out trial balloon numbers is not a good idea." When asked about the number of jobs that might be

lost, he predicted there would probably "be fewer people working at the University of Toronto in 1995 than there are today."

At Council he said he has written to both UTFA and the U of T Staff Association (UTSA) about the salary issue. To date, UTFA has said it is ready to begin early negotiations only on the 1993-94 salary agreement. UTSA has indicated it may agree to discuss salaries for 1992-93 and the years ahead, depending on the outcome of the vote at its April 23

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U of T Has Best MBA Program

U OF T OFFERS THE TOP MBA program in the country, according to *Canadian Business* magazine.

In the cover story of its April issue, the magazine rates the 20 leading Canadian MBA schools. The Faculty of Management at U of T ranks first overall, scoring 69.3 points out of 100. The University of Western Ontario comes a close second.

"We've done some things right, obviously," said Professor Roger Wolff, dean of the faculty. U of T's success in the ranking, he predicted, will enhance the reputation of the program and increase the number of applications from prospective students. "It's bound to be very positive for us," he said.

For the past five years, the faculty has been working to improve its MBA program in a number of ways — most notably, by seeking an appropriate balance between theoretical and practical instruction. The first-place ranking, Wolff said, confirms that the faculty's approach is the winning strategy for business schools at present.

The magazine applauds U of T for its success in juggling three different streams of MBA students: full-timers, part-timers and the experienced middle managers enrolled in the executive MBA program. The faculty has tried to build different programs to answer the different educational needs of students in each of these streams. "Some schools are in

the supermarket business," Wolff said. "They deliver a large program trying to meet all the needs of a broad base of people simultaneously. And to some extent that's what we did five years ago. But our current positioning is more along the lines of a boutique business."

While *Canadian Business* does not include research productivity among its criteria for rating business schools, Wolff stressed the importance of having faculty members actively involved in doing scholarly work. Ranked by this standard, he said, the Faculty of Management would again earn high marks. "Our strength in the MBA, as well as in scholarly work, gives us a pretty strong argument that we should be viewed as the number one overall school in the country."

As part of the magazine's research, graduating students from participating schools completed extensive questionnaires. Professor Doug Snetsinger, director of the MBA program at U of T, said the University's success in the ranking likely reflects the high degree of satisfaction students expressed about their educational experiences here.

The magazine developed the standards for its "Top 20" ranking with the assistance of two expert panels — one consisting of business school deans, the other of leaders from the business community. Each school was judged against a set of 15 criteria related to the quality of their students, faculty, curriculum and graduates.

Musical Interlude



Drew Gill, a second-year student in the Faculty of Music, practises in the faculty's new computer/digital sound laboratory. The lab features 16 stations with a digital piano, synthesizer module, cassette tape deck and computer. University representatives and donors toured the lab after the official opening March 7 of the Rupert E. Edwards Wing in the Edward Johnson Building.

Graham Acclaimed as UTFA President

PROFESSOR BILL GRAHAM OF philosophy at Scarborough has been acclaimed president of the U of T Faculty Association (UTFA).

Graham replaces Bonnie Horne who has been president for the past two years. His one-year term as UTFA president begins July 1.

Graham, 57, is currently president of the Ontario Confederation of University Faculty Associations. His three-year term ends June 30. In 1989-91 he was UTFA's vice-president and chief negotiator of salaries, benefits and pensions. He holds a BA and an MA from Loyola University in Los Angeles and an MA and a PhD from U of T. He was appointed assistant professor in philosophy in 1969.

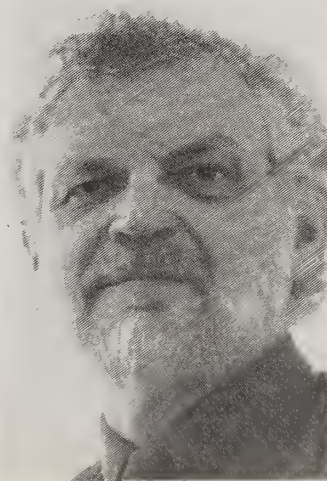
In an interview Graham said he supports UTFA's decision not to discuss a salary freeze for 1992-93

and its proposal that salary and benefits negotiations for 1993-94 start this year. The talks will begin shortly, he said, and as a member of UTFA's salary and benefits com-

mittee he will take an active part in the discussions from the outset.

Another challenge for Graham will be "trying to see that the University's budget situation is such that it can live within its means." He is concerned about the way the University chose to handle the suspension of its contributions to the pension fund. The \$122 million endowed adjustment fund was established by taking money out of the operating fund, he said.

The government's plans for long-term restructuring of universities will occupy Graham in his capacity as member of a restructuring task force set up by the minister of colleges and universities. However, as president of UTFA, he will put people first, he said. "People are our programs. I don't want to see any jobs lost."



Bill Graham

IN BRIEF



Society announces fellows

THE ROYAL SOCIETY OF LONDON FOR IMPROVING NATURAL Knowledge has named two Canadians as fellows, both members of the U of T teaching staff. University Professors James Arthur of the Department of Mathematics and Endel Tulving of the Department of Psychology are among 40 fellows elected this year. Arthur and Tulving were chosen because of their exceptional contributions to science in their particular fields, said University Professor Emeritus Boris Stoicheff of the Department of Physics, a fellow himself since 1975. Arthur is internationally recognized for his contributions to automorphic forms and representation theory. Tulving is recognized for his experimental studies of human memory. The Royal Society of London was founded in 1662 to promote scientific discussion particularly in the physical sciences. Nine professors from U of T are fellows including Professor Lap-Chee Tsui of the Department of Medical Genetics & Medical Biophysics and the Hospital for Sick Children and University Professor John Polanyi of the Department of Chemistry.

Haist, Aberman elected

PEGGY HAIST OF THE DEPARTMENT OF FINE ART HAS BEEN RE-elected for a three-year term to Governing Council as an administrative staff representative. Haist ran against Murray Luening of the Department of Industrial Engineering in the Council election March 10. Professor Arnold Aberman of the Department of Medicine was elected as a representative of the teaching staff. He defeated Professors George Beaton of nutritional sciences and David Tinker of biochemistry.

Vranic receives honorary degree

PROFESSOR MLADEN VRANIC OF THE DEPARTMENT OF PHYSIOLOGY has been awarded an honorary doctor of medicine degree by the medical faculty of the Karolinska Institute in Stockholm, Sweden. The degree is given in recognition of Vranic's 15 years of collaborative research into diabetes with scientists at the Karolinska Hospital and at the institute. His research has examined glucose intolerance and selective insulin resistance in the liver and periphery of humans and animals, among other topics. Vranic will receive his degree May 19 at the Stockholm town hall.

Two named to Order of Ontario

ROSE WOLFE, U OF T'S CHANCELLOR, AND PROFESSOR STEFAN DUPRÉ of the Department of Political Science and acting master of Massey College are among the 20 recipients of the Order of Ontario for 1992. Wolfe is noted for her volunteer work with educational, medical, cultural and religious organizations. Dupré's activities as an adviser to federal, provincial and municipal governments have included chairing a royal commission on health and safety that studied asbestos use in the province. The order is given each year to Ontarians who have contributed to the betterment of society.

Committee examines policies

A HUMAN RESOURCES ADVISORY COMMITTEE, ESTABLISHED AS A result of November's events at the Faculty of Medicine, will evaluate U of T's employment practices and policies, President Robert Prichard told Governing Council members March 12. The committee, composed of six specialists in the labour and management fields from the University and the private sector, will examine the performance of the Human Resources Department on an ongoing basis. It will also advise Professor Michael Finlayson, vice-president (human resources), and Bryan Davies, vice-president (business affairs), on "major strategic questions involving human resources that we will face in the months and years ahead," Prichard said.

Greece bestows war medal

PROFESSOR EMERITUS JOHN ANDRESEN OF THE FACULTY OF FORESTRY has received a Commemorative Medal of Honour from the Greek government for military service during the Second World War. This is the highest decoration Greece can bestow on an individual not in its own army who fought for the Allied forces between 1941 and 1945. At that time, Andresen was a pilot with the 352nd Italian bomb squadron. The medal is in recognition of his bombing of German supply routes which prevented the German army from occupying Greece in 1945.

Budget Reductions

— Continued from Page 1 —

general meeting. Prichard said he expects to meet with both groups in the near future although no dates have been set for the meetings.

The president said he believes most University employees feel "compensation restraint" will have to play a key role if U of T is to solve its financial problems. Many feel some money should be spent from the endowment fund to ease the crunch, he said.

"I personally resist that view," he said, adding the fund is there to strengthen the University in the long run and that only a "minor league institution" would, when faced with difficult times, resort to spending its endowment.

A number of Council members from the teaching staff objected to some of the president's proposals but generally seemed in agreement that freezing salaries, not cutting programs or people, would be the least damaging alternative.

"I simply don't believe that further cuts of any magnitude whatsoever are possible in the Faculty of Arts & Science," said Professor James Burke of the Department of Spanish & Portuguese, adding that salaries

"should be radically brought into line over the next few years" instead.

Burke said the University should use some of its endowed fund "to ease us into the year 2000 rather than bring a precipitous descent in certain locales and in certain faculties."

Professor Roger Beck, acting principal of Erindale College, condemned UTFA's refusal to reopen next year's salary agreement. Beck said he was "bitterly disappointed and ashamed" of his association which is composed mainly of tenured professors "earning \$70,000 to \$80,000 a year." Beck said the University must "press and press hard for real restraint to cover any deficit we might run this year."

In an interview March 17, Judith Eichmanis, UTSA president, said she is frustrated by the lack of cooperation between UTFA and the administration. They must stop digging in their heels and realize that only compromise and concessions from all employees will solve the University's financial crisis. Neither side, she said, seems to care what will happen to other employees.

Although her criticism was directed at both groups, Eichmanis was particularly disapproving of UTFA's stance. She said that no one

group should take advantage of its secure position and refuse to make some concessions.

"Tenure was not meant to be job security," she said, adding that it is time faculty "put its money where its mouth is" and be more willing to negotiate.

Suzie Scott, UTFA's executive director, said that while she understands UTSA's concerns, her association will definitely not reopen the 1992-93 salary agreement. "That's not the way collective bargaining works, particularly when there is \$122 million sitting in a savings account."

Scott said that the appropriate place to discuss wage reductions will be during talks for the 1993-94 contract which UTFA has agreed to enter into earlier than previously expected. She added that contrary to what many people believe, UTFA members are not all tenured faculty and its non-tenured members are as worried about job security as UTSA members.

"But if this university needs, because of budgetary considerations, to downsize, attrition will take care of that. We see absolutely no reason why any employee from U of T should be fired for fiscal reasons."

Buildings' Conditions Cause Concern

BY KARINA DAHLIN

OCCUPANTS OF THE BUILDINGS east of University Ave. are concerned about the state of their workplaces. Members of speech pathology at 88 College St. fear a lack of space will close down their department while the head of the Banting & Best Department of Medical Research at 112 College St. says his staff is working in an unhealthy environment.

The concerns were raised at a March 17 meeting at the Medical Sciences Building held to discuss the proposed campus master plan. Planning officer Elizabeth Sisam said at a similar meeting the following day that the buildings at 88, 92, 100 and 112 College St. are "obsolete and inadequate." The campus plan suggests that the buildings and land be sold, a transaction which U of T hopes will bring in at least \$50 million to cover the cost of relocating the departments to new quarters.

Sisam and Gordon Cressy, vice-president (development and University relations), have held a number of meetings with groups inside and outside the University to discuss the campus plan. An amended version of the document will go before the Planning & Priorities Committee of the Academic Board this spring.

Professor Paula Square, director of speech pathology, is worried about her program's accreditation; there is an upcoming review in May by the Ontario Council of Graduate Studies (OCGS). In 1984 the council gave her department a B ranking because teaching space and technology were inadequate. Although technology has been updated, the space problem remains unsolved.

Carolyn Filteau, an administra-

tive assistant with the council, said the OCGS rarely closes down a program with a B ranking. If the program in question were not given an A in the next review, the council has several options — grant a conditional approval, defer a decision for up to two years or decline approval in which case enrolment would cease.

Square says her department probably occupies the worst space on campus. The heating and water supply systems cause problems and the air is of poor quality and triggers computer breakdowns. There is no auditory or vibratory shielding in the building, necessary for the proper use of acoustic equipment, and the classrooms are very small. "They were thinking of moving us to the Borden Building — as an improvement," said Square. The absence of wheelchair facilities made such a move impossible.

The Faculty of Medicine, the School of Graduate Studies and the Facilities & Services Department have all done their best to help, Square said. Dr. Donald Cowan, associate dean of clinical and institutional affairs in medicine, said he is optimistic a solution will be found soon.

Professor Cecil Yip, chair of the Banting & Best Department of Medical Research at 112 College St., is frustrated that nothing has been done to fix the Best Institute's inadequate air supply. Studies have shown that the building has an air deficiency of 40 percent, he said. The air is stale and the building lacks oxygen which makes it an unpleasant place to work, he said in an interview. "If anyone complains about this we'll be in trouble."


Chris McNeill, manager of occupational hygiene and safety, said he knows the Best Institute has an undersupply of air but has received no complaints about the building's air quality. The phenomenon does not necessarily mean there's a lack of oxygen, he said.

Yip said he has been told it may cost \$10 million to rectify the problem, caused by more air being pumped out of the building than in. The building has only one air intake, he said, and its windows are well-sealed. Air is lost through laboratories' fume hoods and tunnels linking the building to the Banting Institute and the Toronto Hospital.

UNIVERSITY ~ OF ~ TORONTO

THE BULLETIN

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Computer Centre Set to Close Down

Funding decision still pending

BY SUZANNE SOTO

IN THE ABSENCE OF A COMMITMENT from the provincial government to continue funding the Ontario Centre for Large Scale Computation at U of T, the facility will close its doors at the end of this month.

Anna Pezacki, the centre's acting director and technical support manager, said last week that all equipment at the centre will be shut off and its 14 employees released as announced last November.

Pezacki said the centre, home of the Cray supercomputer, is winding down and its estimated 100 clients are finishing off their projects. She expressed disappointment at the government's failure to make a funding decision before the March 31 deadline for closure. "To simply let the funds run out without any decision whatsoever is a totally incomprehensible action to me, personally."

Leora Stipelman, a senior policy adviser with the Ministry of Colleges & Universities, said the ministry is still looking at a number of projects which have asked for money. "The supercomputer is one of them and it is being looked at as part of the overall funding for next year," she said, adding that a decision may be

made in April.

Professor James Keffer, vice-president (research and international relations), said if the centre were to receive funding after it closes, it would be very difficult to get it started again because of the costs involved.

David Sadleir, vice-president (computing and communications), called the situation "very unfortunate." He said that even if funding were forthcoming, it would be "too late for the employees." Some of the employees affected have been offered other jobs, Pezacki said.

Two faculty members who use the supercomputer are upset by the closure. "It is a very serious setback for the University," said Professor Richard Peltier of the Department of Physics. Without the Cray, faculty wanting to do large-scale computation work will have to pay for time at an American facility, Peltier said. Professor Imre Csizmadia of the Department of Chemistry expects that the University's graduate studies will suffer because many graduate students use the centre to carry out experiments and do other research.

When the centre closes, some of its equipment might be sold, Sadleir said, some will be used for spare parts and other pieces will likely be scrapped.

More University Surveys Planned

CANADIAN UNIVERSITIES MAY have been unhappy with the way they were scrutinized and ranked by *Maclean's* last fall but the Oct. 21 issue of the newsmagazine was a hit with readers, outsold only by the one on the 1981 royal wedding.

People are interested in universities, said *Maclean's* assistant editor Diane Brady, and the publication plans to encourage that by publishing a university issue once a year.

Institutions regard this as a mixed blessing. While the attention helps to put education on the public agenda, the contentious part of the study — the ranking — has not been welcomed. Last year the magazine used 12 different factors to grade the country's universities from one to 46. McGill came in first, followed by Queen's, Mount Allison, Toronto and McMaster.

Sally Brown, vice-president (external relations) of the Association of Universities & Colleges of Canada, said the exercise "was extremely damaging" to many universities. "The greatest disservice was saying they were looking at arts and science but giving the impression it was [a complete] institutional ranking."

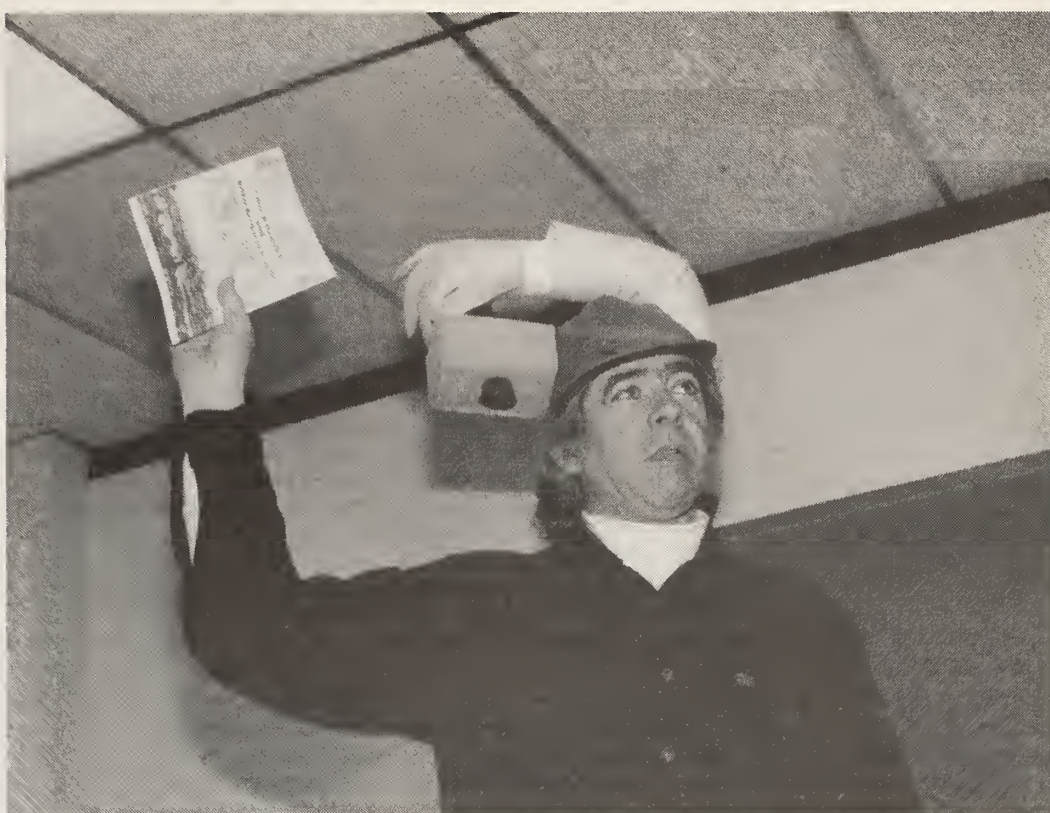
Brown said the questionnaire used by the magazine was "vague" and left plenty of room for errors. "There's a strong sense that we need to advise them on methodology and get them to improve their data-gathering process."

Brady conceded that some questions were worded vaguely but said that any errors in the survey originated at individual universities which interpreted the questions in different ways.

The magazine has assigned two people to work full-time on the next issue and they have had several meetings with university officials to discuss improvements to the survey. The plan is to publish various rankings based on categories such as the size of the schools and their focus on research or undergraduate education. "We want to work this year with universities to ensure that everything is above board and understood by everybody before we send out the questionnaire," said Brady.

Dan Lang, assistant vice-president (planning) and chair of the Council of Ontario Universities' committee on accountability, has attended some "long and hard" meetings with *Maclean's*. He sees a "genuine interest" by the magazine to improve the survey but said it is too early to recommend whether the province's universities take part in the next survey.

Brady said *Maclean's* would probably be able to pull the necessary information together without the universities' help but that is not a scenario being debated now. "It looks like we are getting the participation of the universities," she said.



Professor Ronald de Sousa introduces one of 13 new books from the Department of Philosophy.

Joking Aside, Comic Relief Provides a Serious Outlet

BY KARINA DAHLIN

PHILOSOPHERS ARE TRAINED TO be critical, not to be kind. In this spirit Professor Ronald de Sousa acted as master of ceremonies of the Department of Philosophy's fifth annual book launch on March 9.

The event was billed as a "philosophical shmooze." De Sousa, a semi-professional actor, cast himself as court jester and wore a cap with a hammer hitting his head which he said symbolizes the masochistic nature of his discipline. He introduced the 13 books with tongue-in-cheek insults, dividing them into one of five categories: "raining on your parade, antiquarian rubbish, misguided innovations, ecumenical bromides and futile advice." Later he explained that in his view some of the books are "complete rubbish" and he wanted licence to say so. "By treating them all as rubbish, I could tell the truth in some cases and my friends wouldn't mind."

The authors and their colleagues accepted de Sousa's ribbing in good humour and returned to their conversations with renewed irreverence.

Professor Charles Hanly, author of *The Problem of Truth in Applied Psychoanalysis*, said that in one sense

"philosophy is interesting but useless." Thirsty for knowledge about human nature, he chose to study philosophy as an undergraduate but became dissatisfied with the discipline because it did not provide him with any convincing knowledge. "All kinds of theories, yes, but no verifiable ideas." He later became interested in Freud's theories and now leads a dual existence as a philosopher-teacher and a psychoanalyst.

There is no such thing as a new thought in philosophy, Hanly believes. "I haven't come across any." There are changes, though, in emphasis. Philosophy has become less a discipline in itself and more a methodology to explain other subjects. "Physics replaced philosophical cosmology and psychoanalysis replaced philosophical psychology. There is a constant shift in the claims or pretentiousness of philosophy which I think on the whole is a good thing."

Professor James Brown is author of *The Laboratory of the Mind: Thought Experiments in the Natural Sciences*. In it he tries to make sense of the process that occurs when scientists visualize a problem unfolding and arrive at a startling solution without the help of expensive equipment or

manpower. "They arrive at a result about the actual world and save the taxpayer a heap of money," Brown said.

A glowing review of his book last August in *New Scientist* sent sales skyrocketing. Within two months about 400 copies had sold. A best-seller in philosophical terms is a work that sells a total of 2,000 to 10,000 copies, he said.

Professor Frank Cunningham, chair of philosophy, said that with more than 50 assistant, associate and full professors, hundreds of students and five-and-a-half support staff positions, his department may be the largest in the world, competing for first place only with Oxford and Moscow universities. It is certainly the most diversified, Cunningham said. Philosophy departments will often build up one school of thought; U of T, on the other hand, actively works to hire thinkers of all persuasions. "We pride ourselves on our pluralism."

The pluralism seemed to work well that afternoon. Socratics and Platonics, realists and anti-realists and others of opposing perspectives mixed happily which showed that if the world's oldest discipline isn't gentle, it is flexible beyond its years and still full of questions.

Club Hopes for Goodwill Gesture

THE FACULTY CLUB'S ART committee is hoping Lloyd's of London will donate the six reclaimed Group of Seven paintings to the University.

The paintings, stolen from the Faculty Club in 1987, were recovered last month and are now the property of the insurance company. Lloyd's paid the club about \$107,000, and the money was spent on new acquisitions. Peter O'Brien, chair of the club's committee, said if Lloyd's declines to donate the paintings or sell them at a reduced rate, the club may start a fundraising campaign.

Meanwhile, the man responsible for the theft has been given a five-year jail sentence, but not for stealing the paintings.

Darryl Vincent, 53, and his partner Elena Kouznetsova, 22, were the subjects of a six-month investigation by the Metropolitan Toronto Police intelligence service before they were arrested last December. At that time Vincent told police he had the missing paintings. Detective Richard Lyon said Vincent volunteered the information as an act of good faith and therefore no charges were laid in connection with those thefts.

He was sentenced March 10 after pleading guilty to possession of property obtained by crime and possession of cocaine.

Lyon said Vincent is known as an "international thief" and had not tried to sell the paintings. "They were in storage," Lyon said. "It is normal with such art pieces to sit on them for 10 to 20 years." They were kept in several private homes in southern Ontario and delivered to the police last month by a third party. The case is closed and no attempts will be made to prosecute the home-owners who sheltered the paintings, Lyon said.

JEWEL RANDOLPH



This advertisement has been paid for by the University of Toronto Faculty Association.

Tutors and Senior Tutors make up about 6% of our full-time faculty.
Among them are some of our finest teachers.

The administration proposes to keep these teaching-stream colleagues vulnerable to mid-career termination for both "fiscal" and "organizational change" reasons.

Vulnerability to budget cuts and changes in organization falls selectively on Tutors and Senior Tutors. This small group, outnumbered (15 to 1!) by tenured (and secured) colleagues, must absorb any cuts (other than cuts through attrition) to full-time continuing teaching staff.

The administration put its plan to preserve the selective vulnerability of teaching-stream colleagues before the Academic Board.

The Academic Board, by a very narrow vote (that might have turned out differently in a better attended meeting), approved in principle the administration's proposal to use this small group of faculty members as its hedge against cutbacks.

This is wrong.

At the Faculty Association, we have studied carefully Tutors and Senior Tutors, their situation in our University, and the status of teaching-only faculty at other universities. While other universities see the rightness of granting permanent status to teaching specialists, our own administration proposes to maintain them as an expendable underclass in our faculty.

We think this University owes these colleagues a commitment.

During the Academic Board debate, calls for a career path leading to permanent appointments for teaching-stream appointees came from places in the University where people know the work of Tutors and Senior Tutors best — for example, the Scarborough and Erindale College councils.

Ingenious rationales for keeping these colleagues in perpetual jeopardy came mainly from administrators who have little first-hand experience with Tutors and Senior Tutors, administrators who seek to preserve their power to fire long-service faculty — *even late in a career when termination is cruelly destructive.*

At the Faculty Association, we see this as an issue of right and wrong.

We commit ourselves to achieving
a properly protected career path for these colleagues.

It is the right thing to do.

At stake is
the moral health of our University.

University of Toronto Faculty Association: 978-3351



Patrick Garrow stars as Lady Macbeth until March 28 at Hart House.

Macbeth Crosses Gender Lines

Hart House production pushes creative limits

BY DAVID TODD

ROBERT LEPAGE HALTED suddenly in mid-sentence, arrested by the nearby sound of a female voice raised in distress. For a few anxious seconds he listened intently to the words coming from behind the closed door and then, as the meaning became clear, offered an embarrassed smile. "It's OK," he said, relaxing. "She's just rehearsing. I got scared there."

A small moment of panic aside, Lepage exhibited remarkable sangfroid on this particular evening, just a few days before the opening of his production of *Macbeth* at Hart House Theatre. The soft-spoken young Quebecois director, one of the brightest stars in Canada's theatrical firmament, had little more than three weeks to put together his innovative, gender-bending version of Shakespeare's violent tragedy — hardly the ideal circumstance.

"You should have a year to do *Macbeth*, not three weeks," he said. Still, the limitations on time and resources could not put a damper on Lepage's enthusiasm for "this crazy thing we're doing."

The production, which opened March 19, runs until March 28.

The presence of Lepage, artistic director of the National Arts Centre's French Theatre and the creator of such widely hailed works as *Vinci* and *Tectonic Plates*, at U of T represents something of a coup for the Graduate Centre for Study of Drama.

Professor Colin Visser, who took over as director of the centre last July, plans to bring in a leading professional director for a few weeks each year to work with students on a pro-

duction to be staged at Hart House.

Visser's invitation came at a time when Lepage, who has rarely chosen to stage works other than his own, felt a rekindling of his interest in Shakespeare. He decided to use the opportunity to try his hand at directing *Macbeth*, long one of his favourite plays. The months ahead will find Lepage taking on still more works by the Bard: he is slated to direct *A Midsummer Night's Dream* at the National Theatre in London this summer, and later in the year will do *The Tempest*, *Coriolanus* and *Macbeth* in archaic French translations with Quebec's Théâtre Repère.

Lepage never works from preconceived ideas about a play's theme, preferring instead to create his shows by a more intuitive process. For *Macbeth*, he gave a workshop for the student performers and had them read the text, perform improvisations and make drawings — exercises aimed at drawing out images and ideas upon which they could build the production.

"The play is not only what Shakespeare wrote," he said. "It's also the people who collaborate to stage it, act it, design it, and what they think and feel about it."

The concept of a cross-gender *Macbeth*, with women playing the male roles and vice versa, came out of the workshop, for reasons that were practical as well as creative: of the 20-odd participants who showed up for the session, all but four were women. "I said we'll do it cross-gender, just as a joke," Lepage recalled. But the more closely they examined the play, the more they realized that questions of sexuality thread their way all through the text: think of Lady Macbeth bidding the spirits to

"unsex me here," or Macbeth himself "unmann'd" by the sight of Banquo's ghost.

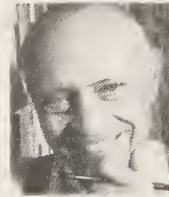
"There's this whole idea of what is masculinity, what is femininity, with Lady Macbeth being so manly in the beginning and Macbeth so feminine," Lepage said. "Of course you can't box Shakespeare in and say *Macbeth* is about gender. It's just one way of looking at the play."

Lepage resists the theatrical vogue for Shakespearean productions that underline parallels between the plays and the social or political realities of the modern era. "It's just the most boring thing you could ever see on stage," he said. The decision to do, say, a cross-gender *Macbeth* must flow naturally from an exploration of the text, Lepage insists, rather than simply being imposed by the director. "Our approach is a very honest and spontaneous one. I find that more interesting than to try to do a *Macbeth* that takes place in Romania in 1989."

Directing the show at a university afforded Lepage some creative advantages. In an academic context, he knew, he could count on finding people with a wealth of knowledge about Shakespeare and *Macbeth* — as well as any other area he wanted to explore — and could draw on their expertise. Equally important, he knew the people involved in the show would share his intellectual curiosity.

"There are many people working on this production at every level right now," he said, "and everyone has interesting input, whether cultural or technical. If I did this at Stratford, I would have more money, professional actors, better everything. But that's not what makes a good show."

NOTEBOOK



JEAN SMITH

IT'S ALWAYS NICE TO KNOW THAT THE AMERICAN television networks are keeping their priorities straight. On March 18, NBC's "Today" show was scheduled to broadcast an interview with Professor Jean Smith of the Department of Political Science, whose new book about the Persian Gulf crisis, *George Bush's War*, has lately garnered considerable critical praise. But the producers decided to reschedule the six-minute segment for another day when they learned that Prince Andrew and "Fergie" were on the marital rocks. Smith, who greeted the whole turn of events with good humour, described his videotaped chat with "Today" host Bryant Gumbel as a pleasant experience. "He seemed to like the book," Smith said.

THE UNIVERSITY'S ITALIAN ROOTS GO BACK A LONG way — in fact, they extend even beyond the existence of what we now know of as Italy. At a special convocation for Italian prime minister Giulio Andreotti on March 9, Professor Massimo Ciavolella, chair of Italian Studies, noted U of T held its first class in Italian in 1840. Less than 10 years later, Italian was taught here on a regular basis. It was 1861 before Italy became a unified country. Ciavolella also mentioned that U of T has the largest Italian department — with 21 professors and tutors, 20 teaching assistants, 2,300 undergraduates and 51 graduate students — outside of the mother country itself.

THE POLITICAL CORRECTNESS DEBATE HAS ATTRACTED considerable interest on Canadian and American campuses and in the media in recent months. But does PC really exist? In a periodicals digest from the Council for Advancement & Support of Education (CASE), the authors note college and university administrators report that incidents of intolerance are not nearly as widespread as one would believe. Only one in 10 institutions reported controversies over the political or cultural content of remarks made by invited speakers, and controversies over course texts or information presented in classrooms have occurred at very few institutions (three and four percent, respectively). Only five percent of institutions report faculty complaints about pressures to alter course content.



MARTHA MANN

THE GEMINIS, AWARDED BY THE ACADEMY OF Canadian Cinema & Television for the best work in English-language television, were presented at the beginning of March. Martha Mann, head of design at the Graduate Centre for Study of Drama, picked up a Gemini for her costume designs for Sullivan Films' *Lantern Hill*. This is the fourth time in the six years it has been presented that she has received the award.

THEATRICAL LORE HOLDS THAT BAD LUCK WILL invariably surround any staging of Shakespeare's *Macbeth*. But Jurek Denis, an invited lecturer in the Department of Fine Art, counts himself fortunate to have been asked to prepare the poster for the production. Enthusiastic about the project, Denis decided to have the students in his two printmaking classes design their own *Macbeth* posters as well. With barely three weeks to complete the work, the students put in long hours, sometimes labouring until three or four in the morning. "It was craziness," Denis said. But the results made the effort worthwhile. "They really have produced works of international calibre," declared Professor David Rifat, a colleague of Denis. "The projects are mind-blowing — excuse my California idiom." All 30 posters are on display at the drama centre and at Hart House Theatre until March 28.



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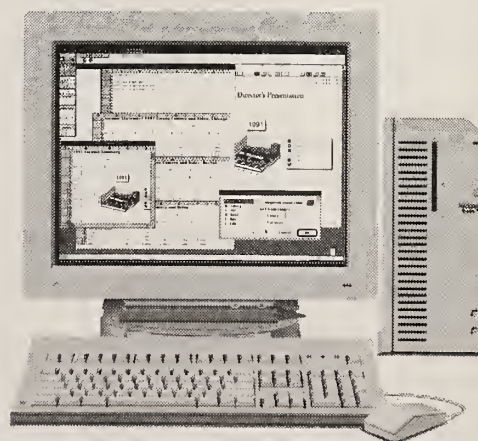
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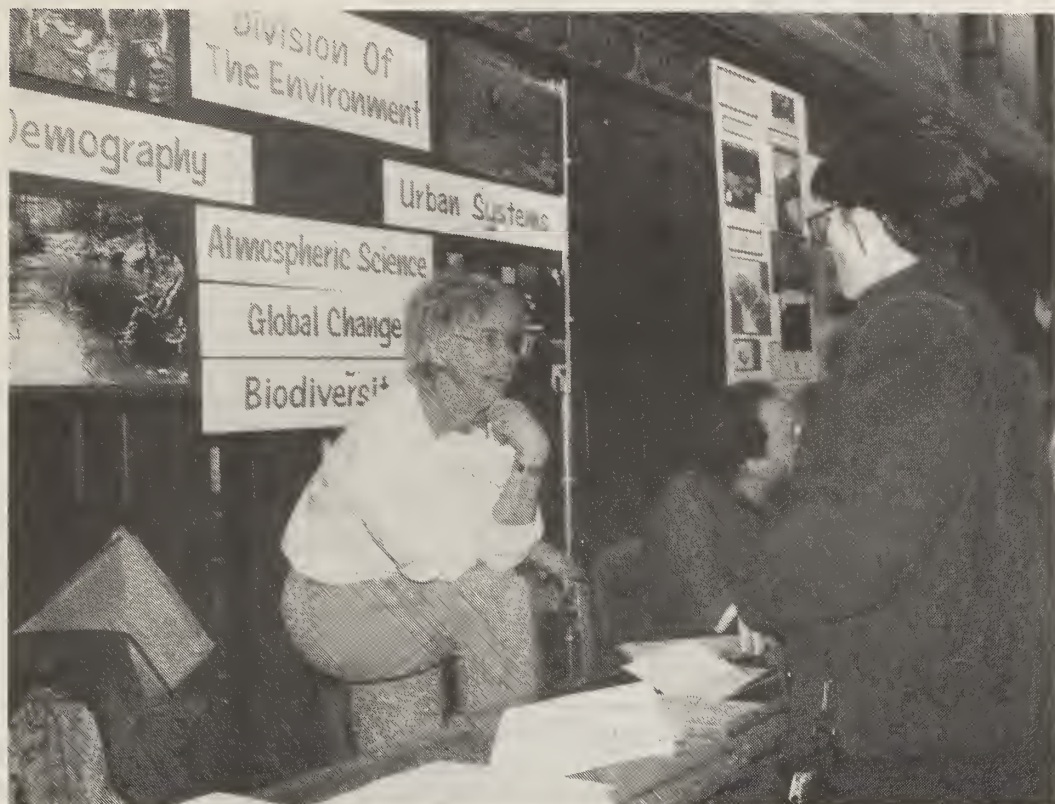


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A World of Possibilities



Professor Ann Zimmerman, director of the new Division of the Environment in the Faculty of Arts & Science, talks to interested students at Science Options March 9 at UC. More than 350 students visited the various display and information booths set up by the faculty's science departments. Science Options provides counselling and information sessions for first-year students considering program and career choices in science.

Animal Model Will Benefit Study of Blood Diseases

BY DAVID TODD

A U OF T GENETICIST AND HIS research team have succeeded in producing laboratory mice with human blood systems, opening up new possibilities for investigation into various blood disorders.

Professor John Dick of the Department of Molecular & Medical Genetics and his colleagues at the Hospital for Sick Children transplanted human bone marrow into the mice and then treated them with human growth factors. Within a month the researchers found that human cells had supplanted the normal cells in the bone marrow of the mice, while the blood running through the animals' veins contained some human as well as mouse cells. These findings were published last month in the journal *Science*.

The work by Dick and his team will provide scientists with an animal model for the study of blood-related diseases such as sickle-cell anaemia or leukemia. It will also permit them to test the effects of new treatments on human cells without having to conduct clinical trials. "It can take years before you get to trials," Dick explained. "This way, you have something that approximates the human blood system. You can have an idea one day about a drug or a therapy that can stop the growth of a particular leukemia and test it in human cells [in mice] the next."

The techniques used for the mouse transplants were exactly the same as those employed in human bone marrow transplants, Dick said. "It's an extremely easy process, which means it's widely accessible to

anybody, for whatever question they want to study."

So-called "stem" cells in human bone marrow produce the complete range of different cell types that comprise the human blood system. Dick and his colleagues established in 1988 that it is possible to transplant human marrow into mice. But their initial efforts produced only limited success: the human cells survived in the mice but they didn't proliferate as hoped. The researchers found very few human cells in the bone marrow of the animals, and only one cell type. "They weren't regrowing into an entire blood system," he said.

The use of human growth factors proved the key to success. These hormones regulate the process of blood development in the human body. Dick reasoned that growth factors, administered in suitable doses to the mice, could be used to stimulate the "stem" cells in the human bone marrow.

After receiving marrow transplants, the mice were injected with a "cocktail" of three different growth factors. The result was a massive increase in the number of human cells present in their marrow. Equally important, the researchers detected nearly the full range of human blood system cell types.

The mice used in the research suffer from an immune system deficiency — the result of a naturally occurring mutation — that prevents them from rejecting the human cells. When human cells take over a mouse's bone marrow, the spleen assumes the task of producing the animal's own blood. The blood still consists predominantly of normal mouse cells but about five to 10

percent of the red cells present are human. "The mice are perfectly healthy, running on a mixture of human and mouse blood," Dick said.

Human growth factors are now commonly administered to patients in cases where it is necessary to stimulate the body's production of red or white blood cells. People with leukemia, for example, are often given growth factors after marrow transplantation or chemotherapy to boost their white cell levels. Researchers may be able to apply the work of Dick and his team to detect other growth factors that act on human cells.

The human blood system cannot be grown in a laboratory environment — a problem that has impeded research into its development. Treated mice will give researchers a means to examine both the mechanics of the process and the reasons it goes awry in diseases such as leukemia. "One can begin to understand the types of genes involved," Dick suggested. "You can transfer genes that you think may be involved in leukemia into human bone marrow cells in mice and follow how leukemia develops."

Someday, Dick said, it may be possible to study some aspects of human blood system development in a laboratory Petri dish, thereby reducing the number of variables researchers have to deal with in their experimentation. But physiological processes — the interaction of cells and their environment — can never be studied in the lab, only in living organisms. "The experimentation with mice will always be necessary," he said. "But hopefully in time it will be reduced."

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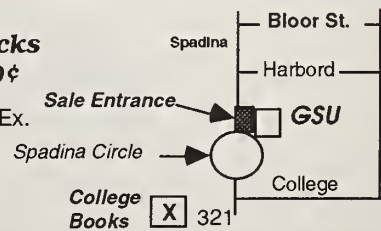
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Scarborough - Life Sciences
St. Michael's College
University of Toronto Schools
Zoology

Members in these constituencies are requested to make nominations for these Council seats. Forms will be distributed to members and additional forms will be available at the UTFA office, 720 Spadina Avenue, Suite #419. Nominations open March 30 and close April 10, 1992. Elections, where necessary, will be held as soon as possible following the close of nominations.

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LETTERS

STAFF ASSOCIATION URGES COOPERATION

U of T Staff Association (UTSA) members will decide at the annual general meeting April 29 whether or not to reopen the 1992-93 salary and benefits agreement that includes a four percent salary increase. Our members' decision will no doubt be influenced by what they hear between now and then in the University's ongoing budget debate.

To date that debate has been unproductive. UTSA had great hopes that this would not be the case. When President Robert Prichard, at our suggestion, called together all the employee groups on campus — union, non-union and faculty — we felt sure that reason would prevail once all of us were around the table.

What we have seen instead is a polarization of the three main interest groups — tenured faculty, the administration and everyone else. The main topic of dialogue between groups one and two is how many of us in group three will lose our jobs as a result of the inflexibility of the U of T Faculty Association (UTFA) and the administration. So far not one constructive, cooperative or creative suggestion has come out of these meetings. The untenured employees of this university are being used as a political football by the University's two most powerful interest groups.

Those of us who are not sleeping well because of worries about job security cannot understand this intransigence. What would it cost faculty members should they take a 1.5 percent cut in next year's salary increase? Roughly two fairly good bottles of champagne a month. What would it cost the administration to spend approximately the same amount from its endowed adjustment fund? Approximately \$200,000 in foregone interest. If the rest of us were to be inspired by seeing this level of cooperation and decide to be equally cooperative, what would the University save in total? More than \$10 million — slightly more than needed to cover the projected cut for this year.

This is only one saving scenario. Unpaid leaves of two weeks for those who earn more than \$40,000 would likely save most of the money needed and some of the money in the endowed adjustment fund could be used to enhance and/or bridge early retirement packages. Many other solutions could be found but to date all we have seen is a zero-sum game being played out in which there are no real winners.

One can't help wondering how Queen's Park will view this destructive, inflexible self-interest on the part of these two privileged groups at the same time as U of T is putting in its bid for a share of the money in the province's transition assistance fund.

We strongly urge UTFA and the administration to come to the

table to help us solve *together* the University's financial problems. Failure to do so may result in many personal tragedies as employees join the unemployment lines. It will result in yet another erosion in trust between those who remain at U of T and their employer. And, not insignificantly, it will result in the further deterioration of the already shaky ability of the University to deliver quality education and research to the people who pay its bills through tuition and taxes.

Members of the administrative staff have many opinions as to the most appropriate course of action for the University at this time — probably as many opinions as there are staff. However, on one issue we have heard complete consensus: administrative staff are not willing to be sacrificed as pawns in the perverse budgeting game currently being played by the faculty and the administration. We, the University and the community *all* deserve better.

JUDITH EICHMANIS

PRESIDENT

U OF T STAFF ASSOCIATION

PENSION PROJECTION GENERATED BY REQUEST

Neither the Human Resources Department nor the administration is assuming a two percent economic increase for 1992 ("Salary reductions already planned," March 9). As President Robert Prichard has repeatedly stated, an agreement is an agreement unless both parties choose to reconsider.

When human resources projects future pensions at the request of individual employees, it includes all salary settlements agreed to up to 1992-93 and four percent into the future. Professor John Gittins' request for a pension projection asked for a "1998 pension assuming two percent increases to that date." The misunderstanding arose when human resources took the request literally and, contrary to normal practice, made the calculation using a two percent assumption for 1992-93.

JOHN GITTINS

DEPARTMENT OF GEOLOGY

MICHAEL FINLAYSON

VICE-PRESIDENT (HUMAN
RESOURCES)

LETTERS DEADLINES

MARCH 27 FOR APRIL 6

APRIL 16 FOR APRIL 27

MAY 1 FOR MAY 11

MAY 15 FOR MAY 25

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JUNE 19 FOR JUNE 29

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OPENING THE PATHS OF SIGHT

Scientists persist in efforts to solve glaucoma puzzle

By SUZANNE SOTO

THE INSTANT LOSS OF SIGHT IS A terrifying prospect but just as frightening is the gradual tunnelling and eventual destruction of vision caused by glaucoma.

Known as primary open-angle glaucoma, the disease damages the eyes' nerve structure. Victims have normal sight at the onset of the disease but as it progresses, their vision narrows and then they see as if through a plastic drinking straw. If they are not treated they become blind in four or five years. Glaucoma normally strikes people in their 50s and 60s, while juvenile glaucoma can manifest itself almost immediately after birth and blind its sufferers in their teens or 20s.

Scientists do not know why people contract the disease, although there are indications it could be a genetic condition. A number of remedies and therapies can slow down and in some cases halt its progression but glaucoma cannot yet be prevented or reversed.

Professor Ross Ethier of the Department of Mechanical Engineering and the Institute of Biomedical Engineering is one of the country's leading glaucoma researchers. He has spent 10 years investigating the fluid drainage systems of the human eye and found that a small group of cells in one of the out-flow pathways may be an important contributor to glaucoma.

All healthy human eyes have fluid flowing in the front part of the eye, Ethier explained in a recent interview. The fluid is produced by tissue inside the eye itself. Its purpose is

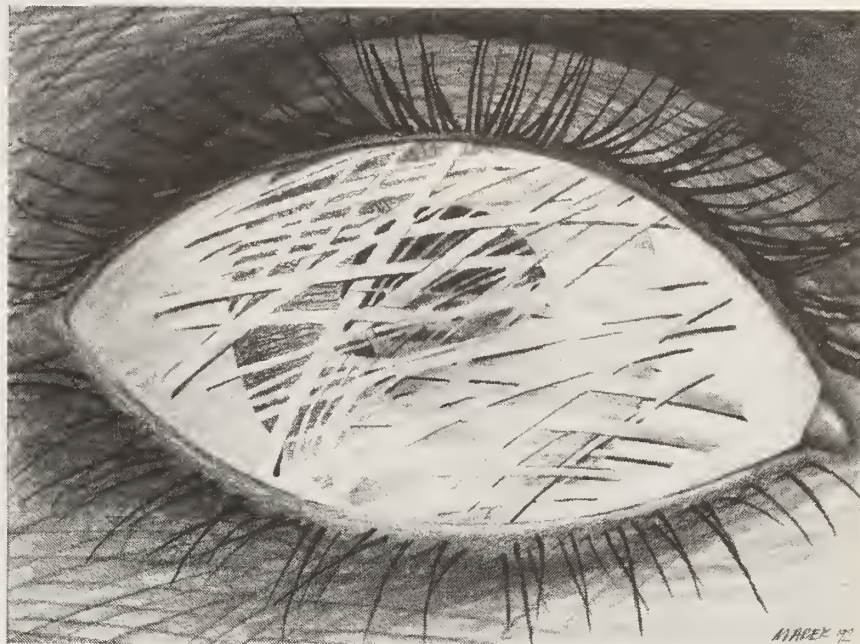
to nourish the lens and cornea before draining out through the trabecular meshwork, which is a layer of tiny pores located where the cornea and iris meet, and then down a pathway called Schlemm's canal.

"In glaucoma, basically what happens is that the drain gets plugged up," he said. This increases pressure within the eye which in turn seems to damage the optic nerve. The nerve carries signals from the retina to the brain.

With funding from the Medical Research Council, Ethier and a team of researchers began their work hoping to find out exactly what "plugs the drain." Using different drugs and human eyes from donors, the researchers modified some of the drainage mechanisms in the eye, particularly the trabecular meshwork and the porous cells lining Schlemm's canal.

The drugs increased the number and size of pores in the canal's lining, which reduced fluid resistance and allowed for easier out-flow. The research also found that in eyes with glaucoma, the number and size of pores in the lining are smaller than those in healthy eyes.

Ethier says scientists have been familiar with the pores in the cells for a long time but generally believed they were not of vital importance. A significant part of his research, however, indicates that eyes with more and larger pores allow a jelly-like substance in the trabecular meshwork to seep out, lowering flow resistance.



MARK CIEKIEWICZ

With respect to the claim that marijuana "cures" glaucoma, Ethier says the drug does have some positive effects on sufferers. But there are medicinal drugs that are far more effective in treating the disease than marijuana, he adds.

It is these other drugs that Ethier's team will continue to use in further studies of the drainage mechanisms and Schlemm's canal. The team, which includes U of T technician Fides Coloma and Harvard Medical School collaborators Rand Allingham and Annelies deKater, will try to determine if alterations

in the canal give more clues to the glaucoma puzzle. Ethier is reluctant to call his findings a breakthrough and says it will likely be a while before the estimated two million North Americans who have glaucoma can be offered a remedy.

"As much as I would like to say to all glaucoma patients 'You should take Drug X and you'll be cured' that is not the situation," he said. "What we have done is enabled a better understanding of the fundamental causes of the disease but I would say we are a long way from finding a cure."

PROFILE

SPRING TO LIFE

Nancy Dengler uses her natural curiosity to explore a world of wonders

By KARINA DAHLIN

FREEZING TEMPERATURES AND THE winter blahs notwithstanding, March is one of the most exciting months of the year for Professor Nancy Dengler of the Department of Botany. This is the time when birders flock to Long Point Provincial Park on Lake Erie to watch the return of thousands of migratory birds that stop at the marshes to feed.

Dengler remembers her first spring in Ontario in 1968. A native of California, she was unaccustomed to cold winters and watched the growth of the first blades of grass with a heightened sense of delight. Although she initially thought bird-watching a bit silly she accompanied her husband, Ronald, a professor of botany at Scarborough College, on his trek to Long Point. The sight and sound of thousands of swans, geese and ducks flying north was stirring and a birder was born. "It caught me in the same way that my first botanical experience in the desert did," she recalled during a conversation in her office at the Earth Sciences Centre.

That experience occurred when Dengler was a second-year undergraduate at the University of California at Santa Barbara. History was her chosen field; botany, a science elective. One day in March she went with her botany class on a field trip to the desert. As the students travelled east over a small mountain range, they suddenly came to the desert resplendent with the colours of a particularly prolific spring. Dengler had never before seen an area so covered with flowers in bloom; it was the first time she was able to identify the plants she saw. She realized that botany was the key to a wealth of knowledge about



nature and as soon as she was back at school she changed her courses. The rest, as they say, is history.

Leaves are the focus of Dengler's research. She is interested in developmental biology and leaves are particularly suitable for her studies because their growth and deterioration occur in a finite period. In recent years she has used modern molecular biology techniques to help her investigations but, trained in traditional plant microscopy, she will always consider herself a member of the old school of botany.

Undergraduate teaching is the most rewarding part of her job, Dengler said. For one thing, she has observed over the years that students are becoming nicer. "They are also more

sophisticated in their level of understanding. They have a genuine interest in their studies."

As one of six professors of Biology 150, a class of 1,500 students this year, she disagrees with those who say U of T is not a good place for undergraduates to study. Students are fortunate to be taught by some of the foremost botanists and zoologists in the country, she said. It may be difficult for those who were at the top of their high school classes to enter university and receive little personal attention but she doesn't pity them. "That's life. Here students have to take the initiative and make contact with the teacher." And with a little grin she added: "Once they do, I think they find we are worth making contact with."

This week Dengler, 49, returns to her roots. She has been invited to speak at the Katherine Esau International Symposium on

Plant Structure at the Davis campus of the University of California where she received her MSc. Esau, an internationally acclaimed botanist in her 90s, hired Dengler as her research assistant at Santa Barbara in the 1960s. The austere European woman maintained strict standards and was a role model of sorts for Dengler. "Something in me admires her single-minded dedication although I have never been able to totally devote myself to one thing."

But her actions as a birder contradict this statement. If zealous is not the word to describe someone who chooses to spend a cold March day in the damp marshes of Lake Erie, surely single-minded is.

HOMA FANIAN

IN THE WAKE OF GEORGE BUSH'S WAR

While the triumph of the US president has faded, the shockwaves of the Gulf war continue to rock the Middle East

By DAVID TODD

ON THE CROWDED BOOKSHELF BEHIND HIS desk, Jean Smith keeps a small portrait of General H. Norman Schwarzkopf, the hero of last year's war in the Persian Gulf. On close inspection, it turns out to be a trading card encased in a plastic sheath — one of a set of Gulf war cards that was briefly a hot item among collectors last year. You can still purchase a pack at some local collectibles stores, along with cards for *Terminator 2*, the Canadian Football League and the superheroes of Marvel Comics.

For 43 days last year, the war consumed public attention in North America and throughout the world. But more than a year after its conclusion, it seems less an epoch-making event than another of the feverish obsessions that periodically sweep the United States — something to be celebrated with bubblegum cards and glossy coffee-table books, and then forgotten. The war was brief, it was exceedingly popular, and thanks to the stringent restrictions on reporting from the front, it appeared relatively bloodless. With a presidential election looming, however, and the country mired in a recession, Americans have turned their attention to other concerns. Whatever lustre the administration of President George Bush acquired from its triumph in the Persian Gulf has since faded.

"It was so short-lived and so remote that ultimately it was not much more than a blip on people's consciousness," says Smith, a professor in the Department of Political Science. "The grim reality of economic hardship is ongoing."

Limited though its grip on the public mind appears to have been, the war could scarcely be considered an event without serious implications. Smith's new book, *George Bush's War*, takes the president sternly to task for his actions during the crisis. By claiming the authority to unilaterally dictate foreign policy, Smith argues, Bush ran roughshod over the US Constitution. Other knowledgeable observers at U of T, meanwhile, view the events following the Aug. 2, 1990, invasion of Kuwait by the Iraqi army in different terms: as a likely contributor to further instability in the Middle East, and as a source of tragic suffering for the ordinary citizens of Iraq. It may be years before the full extent of the shockwaves set off by the conflict becomes clear.

SMITH, AN AMERICAN-BORN POLITICAL SCIENTIST and biographer, wrote *George Bush's War* on a tight schedule, convinced that the questions surrounding the Bush administration's conduct urgently needed to be addressed. The book is essentially a detailed map of the road that led to the fury of operation Desert Storm. Analyzing this chain of events, Smith concludes that George Bush treated the Gulf crisis as a personal crusade against Iraqi leader Saddam Hussein — an old-fashioned movie showdown of good versus evil.

Ironically, when the Iraqis invaded Kuwait, Bush at first seemed to rule out the possibility of US military intervention. However, after meeting with then British prime minister Margaret Thatcher at a conference in Aspen, Colorado, on the day following the invasion, Bush adopted a tougher stance. Thatcher, Smith contends, performed a decisive role in persuading the president that Saddam had to be slapped down. "She played on his emotions, told him to be Churchillian," Smith explains. "We forget now, but until then, George Bush was seen as a wimp, still in the shadow of Ronald Reagan. Mrs. Thatcher exerted all of the charm and influence that was possible on a president who had been an understudy, now placed in a starring role."

A week after the invasion, Bush announced that he had ordered American troops to the Gulf. Their mission, he indi-

cated, was purely defensive: to protect Saudi Arabia against a possible Iraqi attack. In fact the Iraqi forces never posed any direct threat to Saudi Arabia. According to Smith, Bush wanted a fight with Saddam and simply used the defence of Saudi Arabia as "window-dressing to get American forces to the Gulf." In the months that followed, the president pushed the US inexorably towards war — fully confident, it seemed, that he possessed the authority to do so. He paid little heed to the provisions of the US Constitution, which places the power to initiate hostilities in the hands of Congress. By the time the matter actually came to a congressional vote on Jan. 12, the administration had deployed 500,000 troops in Saudi Arabia and members had little choice but to rubber-stamp Bush's decision to use force against Iraq.

That a president can take unilateral action on this kind of vast scale is troubling, Smith writes. In his view, the cold war made such a development possible. The national security structure that evolved during those years "was designed to carry into effect the president's singular decision to respond to nuclear attack. A national mind-set evolved that focused on the president as the country's sole decision-maker.... On his word alone, the machinery of government was set in motion." The US Congress, in general, has gone along with this view when it comes to matters of foreign policy and has not proven much of a forum for open debate of policy alternatives.

Equally unsettling is the Bush administration's calculated manipulation of both Congress and the public. Throughout the book, Smith cites instances in which the president and his subordinates "dissembled" or followed a policy of "minimum candour." A meeting on Jan. 9, 1991, between Secretary of State James Baker and Tariq Aziz, then Iraq's foreign minister — a meeting described by Bush as "an opportunity to resolve this crisis peacefully" — was perhaps the most egregious example: by Jan. 3, when Bush publicly announced plans for the meeting, the military already had orders to launch their attack two weeks hence. The administration simply wanted to undercut opposition from the congressional leaders by raising the possibility of an 11th-hour solution.

THE PRESIDENT'S ACTIONS DURING THE GULF CRISIS MADE CLEAR HIS LACK OF DEEP PRINCIPLES

Ironically, the greatest resistance to the president's enthusiasm for war came from the military leaders. Both Schwarzkopf and General Colin Powell, chair of the joint chiefs of staff, firmly opposed launching any offensive action prematurely. They made Bush understand that if the US were to attack, it must be done massively and ended quickly. The American military as a whole, Smith adds, deserves credit for its professionalism during the crisis. The US "may not be able to build cars very well, but they certainly fielded a military force that was, as my children would say, awesome."

Smith's admiration for the men and women of the professional military is the product of his own experience: he spent five years in the US army as a regular officer in the artillery. In fact, he served alongside Schwarzkopf from 1959 to 1961 in Berlin, where the two were both first lieutenants in the Sixth Infantry Regiment. Smith credits "Stormin' Norman" with possessing stamina, intelligence and an abundance of good

humour. "Most of us, if we were ordered to do something silly, would fight the problem," Smith recalls. "Norman would laugh at it, then go ahead and do it. He's a straight shooter."

Smith holds George Bush in far lesser esteem. The president's actions during the months of the Gulf crisis, he says, made clear his lack of deep principles and the ease with which he can be swept away by the emotions and issues of the moment. "The president is convinced that he did the right thing, that he was acting within the bounds of his authority," Smith says. "And for both of those reasons, the American electorate should be sceptical this year."

WHEN THE UNITED STATES AND ITS ALLIES MARCHED OFF to war, Professor James Reilly of the Department of Middle East & Islamic Studies asked himself a couple of questions. If the principle of punishing aggression counts for so much, he wondered, why did the US not take similar action against Indonesia after its invasion and annexation of East Timor in 1975? Or try to compel Turkey to withdraw its forces from northern Cyprus? "It became pretty clear that Iraqi aggression against Kuwait wasn't the main reason for this massive response," Reilly says. Those questions quickly led to another: if Kuwait produced artichokes instead of oil, what would the American response have been? "Probably," he says, "it would have been 'Too bad.'"

To Reilly, an authority on the history of the Middle East in the 19th and 20th centuries, the obvious conclusion is that the US acted not to uphold a principle but to protect its own interests in the region. Iraq was clearly in a position to compel Saudi Arabia and the smaller, oil-rich states of the Arabian peninsula to conform to its wishes on oil pricing policies. These states invest their oil revenues heavily in the US, he argues, and the Bush administration could scarcely afford to let anything jeopardize that.

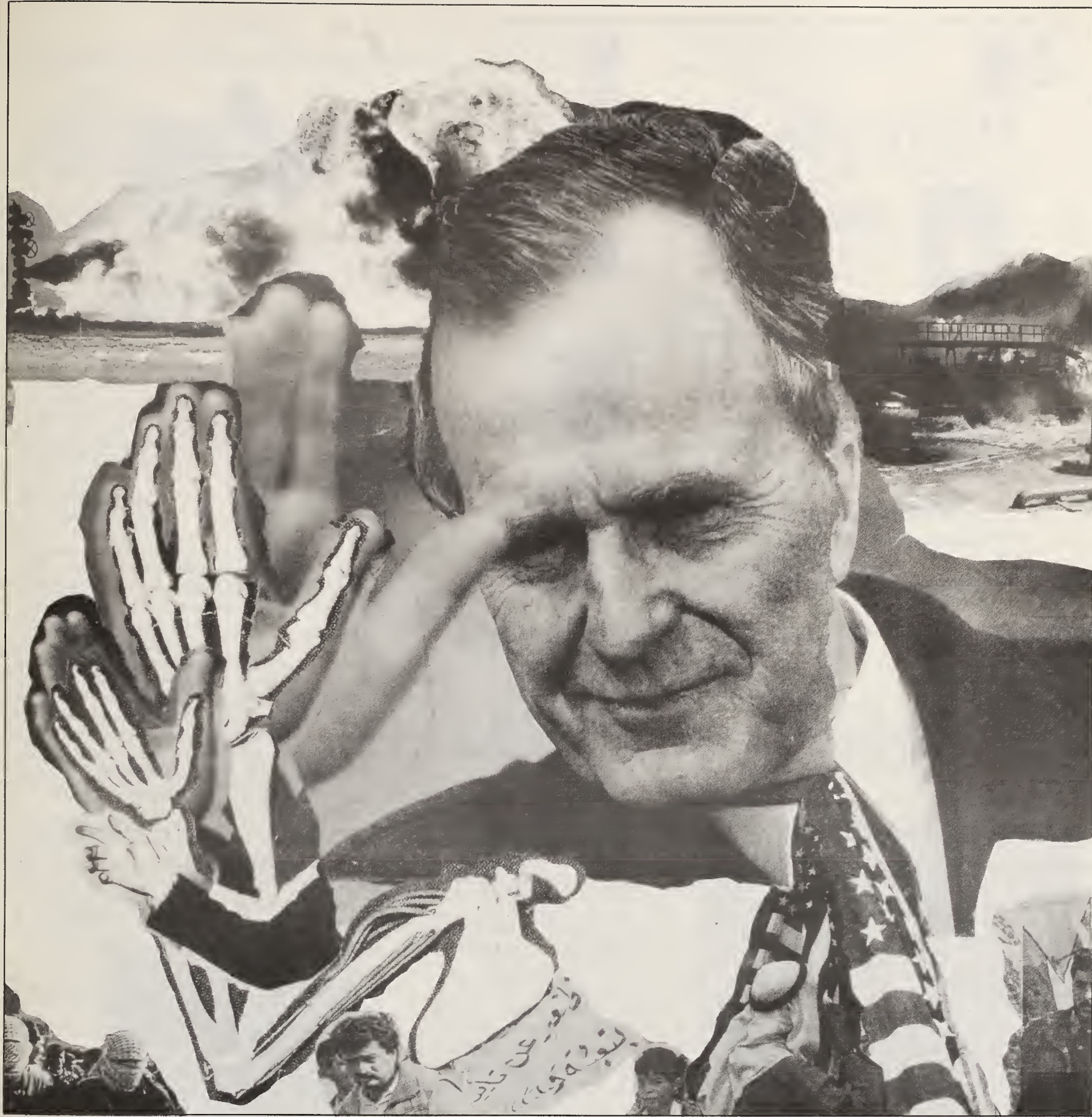
Viewed on those terms, the war clearly benefited the US. But the same cannot be said for the troubled Mideast as a whole. Rather than improving the prospects for long-term regional stability, Reilly says, the war may have sown the seeds for further conflict by exacerbating some long-standing political problems.

The most glaring of these is the chronic friction between richer and poorer states. The economic chasm that separates Saudi Arabia and the other oil-rich monarchies from less prosperous countries such as Jordan, whose economic base is primarily agricultural, will inevitably widen in the next few years because so much of the region's wealth was squandered on the war. The growing disparities, in turn, may fuel existing resentments. Many citizens in the poorer countries, Reilly says, are outraged that the Saudis in particular gave in to pressure from the Bush ad-

ministration and agreed to the deployment of American troops in their country rather than seeking other solutions. "It leads to accusations that the monarchies do not really represent the interests of the people in the region."

Much of the populace of the Middle East nurses a deep-seated indignation at "the way in which their societies have been manipulated, assaulted and in general kicked around by the imperial powers" throughout this century, Reilly says. To many eyes, the US — which, thanks to the collapse of the Soviet Union, now holds a monopoly on great-power influence in the region — has helped perpetuate the vast inequities of wealth while supporting such perceived injustices as the Israeli occupation of the West Bank, Gaza Strip and Golan Heights. The Gulf war has simply added to that immense reservoir of bitterness.

Nationalist or Islamic fundamentalist opposition movements in countries such as Egypt, Jordan and Algeria may succeed in exploiting the sentiments stirred up by the war, Reilly suggests.



KENT SMITH

The result could be social and political conflict within these countries, and ultimately new regional tensions, should radical regimes replace pro-western governments. "People aren't going to go into the streets and wage a battle on the barricades because of what happened in Iraq," he says. "But it will be a powerful ingredient in the mix of grievances. The Gulf war and its consequences will be part of a radical critique of the status quo. Don't forget, the majority of the Arab League states endorsed the war, and some of them may be held accountable for this by their own people."

The war's most grievous consequence, however, may be the suffering it has caused countless innocent civilians. Estimates of the number of Iraqis who have died as a result of the conflict range from 150,000 to nearly one-quarter million. Approximately 350,000 Palestinians who worked in Kuwait have been expelled, while many thousands of Egyptian and Jordanian nationals have lost jobs in Iraq and Kuwait and returned home, creating an additional burden on the economies of those countries. Saddam Hussein, meanwhile, has displayed his usual ruthlessness in battling separatists movements by Kurds in the north of Iraq and Shia Muslims in the south. "A great many ordinary people," Reilly says, "are worse off as a result of the war."

PROFESSOR AMIR HARRAK OF THE DEPARTMENT OF NEAR Eastern Studies understands all too well the toll on ordinary people. A Syriac scholar who left his native Iraq in 1977, he has

a large extended family still living in the country — most of them in Mosul, a city in the north, and in Baghdad. When the air attacks started in January, he feared for their safety but had no way of contacting them. Two months after the fighting ended, the first of their letters arrived, bringing word that everyone had survived unhurt. Since then they have continued to write regularly and their letters have given Harrak glimpses of the difficulties they now face trying to carry on in the aftermath of war.

The earliest letters described the terrible fear that consumed them during the fighting. When the coalition forces bombarded an electrical generating station near Mosul on the first day of the war, the explosions blew out the windows and doors of his sister's house on the outskirts of the city. She fled with her family to a safer location in Mosul; on returning, they discovered that approximately 70 houses in the vicinity had been destroyed. The Catholic school in downtown Mosul that Harrak attended as a child, and where his brother teaches, was also flattened. Mercifully, it was unoccupied at the time and no casualties resulted.

In 43 days of fighting the US-led coalition devastated not just Iraq's army but the country's infrastructure as well — its water, electrical, transportation and communications systems. Reconstruction work is under way. But economic sanctions, imposed by the United Nations Security Council in August 1990, and still in place, have meant continued hardship. Vital medicines are scarce. Food prices have skyrocketed and the average citizen's daily calorie intake is about half of what it should

be. "Everything is very expensive," Harrak says. "People are working two or three jobs or selling off their furniture to make more money. They have to feed their children."

One friend who comes from a middle-class background wrote to Harrak recently. "Her family," he recalls, "was accustomed to helping the poor. But she said, 'We are now the poor.' They are extending their hands for food and money. She wrote this with a great sense of humiliation at how they were led to this situation."

Far from expressing resentment, either towards Saddam or towards the countries that aligned themselves against Iraq, Harrak's family and friends just seem confused. "There is a sense of wondering why this has happened to them. They are asking why they have been abandoned by both the Arab countries and the west, and why the sanctions are still imposed on them. If there were no sanctions, the country could pay its debts and rebuild. But as long as it goes on they will continue to live this difficult life — both physically and psychologically damaging."

More than anything else, Harrak senses in the letters a poignant longing to return to the life they knew before the war. Half a world away, he can do little but hope that their world will someday right itself. "The Iraqi people," he says, "don't deserve all this punishment."

His words are a sobering reminder of a truth often overlooked: presidents may embark on crusades, generals become heroes and whole political landscapes shift overnight, but real people have to live with the consequences.

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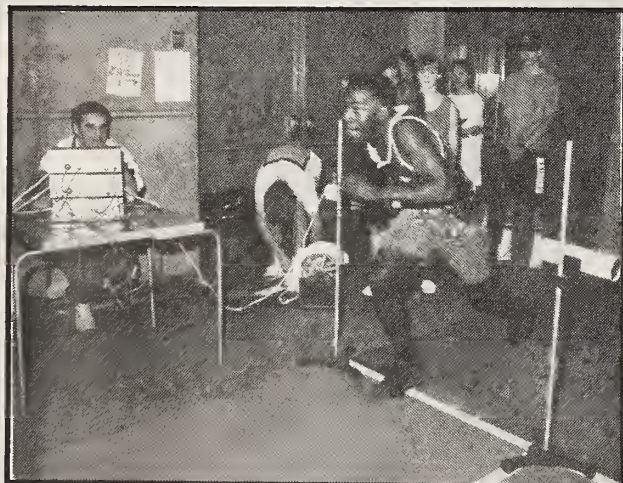
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BOOKS



The following are books by U of T Staff. Where there is multiple authorship or editorship, staff are indicated by an asterisk.

February

Colonial Leviathan: State Formation in Nineteenth-Century Canada, edited by Allan Greer and Ian Radforth (University of Toronto Press; 328 pages; \$55 cloth, \$22.95 paper). Traditional historical approaches to state formation dwell on legal and constitutional developments that theoretically subjected government to the control of citizens. This collection of essays departs from this approach and focuses on the practices — administrative and economic as well as legal — by which citizens came under the control of the state.

Catching up

Self-Tutor for Computer Calculus Using Mathematica, by D.C.M. Burbulla and C.T.J. Dodson (Prentice-Hall; 300 pages; \$18). This book is primarily a self-instructional companion to a computer-assisted first university calculus course but can serve also as an introduction to

Mathematica while reviewing calculus.

Understanding Justices: A Study of Canadian Justices of the Peace, by *Anthony N. Doob, Patricia M. Baranek and *Susan Addario (Centre of Criminology, University of Toronto; 280 pages; \$19.95). This report looks at the various aspects of the role of the justice of the peace as well as such matters as their selection, training and income. Justices in various parts of Canada were interviewed, observed doing their work and surveyed in order to gain a better understanding of the job of justice.

Soviet-Jewish Emigration and Resettlement in the 1990s, edited by Tanya Basok and *Robert Brym (York Lanes Press; 159 pages; \$15.95). The essays in this book analyze the Soviet-Jewish emigration movement in the late 1980s and early 1990s — its context, size, composition, direction and resettlement problems. The contributors, from Canada, the US, Russia and Austria, also offer some tentative forecasts about the likely shape of Soviet-Jewish emigration over the next several years.

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EVENTS



LECTURES

Japanese Folk Religion.

MONDAYS AND WEDNESDAYS,
MARCH 23 TO APRIL 1

Prof. Carmen Blacker, University of Cambridge; last of series of eight lectures. 85 University College. 11 a.m. to 1 p.m. *East Asian Studies*

Historians and Their Texts.

MONDAY, MARCH 23

Prof. Shahid Amin, University of Delhi; visiting Princeton University. Upper Library, Massey College. 2 p.m. *South Asian Studies*

On Architectural Education.

MONDAY, MARCH 23

Prof. George Baird, School of Architecture & Landscape Architecture. Room 103, 230 College St. 7:30 p.m. *Architecture & Landscape Architecture*

Massively Parallel Systems for Modelling Physical Objects.

TUESDAY, MARCH 24

Prof. John Rice, Perdue University; Computer Science: Its Theory, Practice, Applications and Implications series. 1105 Sandford Fleming Building. 11 a.m. *Computer Science and ITRC*

Alexander Kluge: Exploring the New Media, His Recent Television Work.

TUESDAY, MARCH 24

Robert Gibson, McMaster University. Combination Room, Trinity College. 7:30 p.m. Tickets \$5. *Trinity and Ontario Goethe Society*

Public Lies and Unmentionable Truths: On Interpreting Shostakovich.

WEDNESDAY, MARCH 25

Prof. Richard Taruskin, University of California at Berkeley. Edward Johnson Building. 4 p.m. *CREES, Music and York University*

Recent Work.

WEDNESDAY, MARCH 25

Gilles Saucier, Saucier & Perrotte, Montreal. Room 103, 230 College St. 7 p.m. *Architecture & Landscape Architecture*

Law and Labour in Ontario: The Career of J.L. Cohen.

WEDNESDAY, MARCH 25

Prof. Laurel Sefton MacDowell, Department of History, 1991-92 Larry Sefton memorial lecture. Drill Hall, Woodsworth College. 8 p.m. *Woodsworth*

The Changing Structure in Edo Landscape Prints.

THURSDAY, MARCH 26

Prof. Henry Smith, Columbia University. Upper Library, Massey College. 4 to 6 p.m. *East Asian Studies*

Who's Bashing Whom: Industrial and Trade Policies for the 90s.

THURSDAY, MARCH 26

Prof. Laura Tyson, University of California at Berkeley; Claude T. Bissell lecture series. George Ignatieff Theatre, 15 Devonshire Place. 8:15 p.m. *International Studies*

Moving Mountains: The Mini-Fujis of Edo-Tokyo.

FRIDAY, MARCH 27

Prof. Henry Smith, Columbia University. 14228 Robarts Library. 10 a.m. to 12 noon. *East Asian Studies*

The Anthropologist as Griot: The Work of Jean Rouch.

FRIDAY, MARCH 27

Prof. Paul Stoller, West Chester State University. 560 Sidney Smith Hall. 10 a.m. to 12 noon. *Anthropology and the Snider Fund*

Good Queen Bess and Her Virgin Antecedents.

FRIDAY, MARCH 27

John Parsons, CRRS senior fellow. 323 E.J. Pratt Library, Victoria College. 2:10 p.m. *CRRS*

Constraints on Roman Aristocrats in War during the Republican Period.

FRIDAY, MARCH 27

Myles McDonnell, Intercollegiate Centre for Classical Studies, Rome. 152 University College. 3:10 p.m. *Classics*

Defrocking the Friar: Literary Anti-Fraternalism in the Early 16th Century.

TUESDAY, MARCH 31

Prof. Constance Brim, University College of the Cariboo, Kamloops. Senior Common Room, Burwash Hall, Victoria College. 4 p.m. *CRRS and Toronto Renaissance & Reformation Colloquium*

Can Health Care Providers Function as a Team?

TUESDAY, MARCH 31

Prof. Theresa Drinka, University of Wisconsin at Madison. Senate Chamber, Alumni Hall, St. Michael's College. 4 to 5:30 p.m. *Studies of Aging, Nursing, Social Work, Ontario University Coalition for Education in Health Care of the Elderly and Regional Geriatric Program of Metropolitan Toronto*

The Conversion of the Churches: A Condition of Christian Unity. A Roman Catholic Perspective.

TUESDAY, MARCH 31

Rev. Ladislav Orsy, S.J., Catholic University of America; John M. Kelly lecture in theology. Brennan Hall, St. Michael's College. 8 p.m. *SMC*

The 52% Solution: The Next Generation of Feminism.

TUESDAY, MARCH 31

Judy Rebeck, National Action Committee on the Status of Women; Watts lecture. Meeting Place, Scarborough College. 8 p.m. *SCAA*

The Sculpture of Ancient Cyprus: Portraits of a Culture.

WEDNESDAY, APRIL 1

Pamela Gaber, University of Arizona. Lecture theatre, McLaughlin Planetarium. 5:15 p.m. *Archaeological Institute of America, Toronto Society*

The Expulsion of the Jews from Spain.

WEDNESDAY, APRIL 1

Prof. Joseph Shatzmiller, Department of History. 213 Victoria College. 8 p.m. *Society for Mediterranean Studies*

Quality of Life as an Outcome of Physical Therapy Practice and Research.

THURSDAY, APRIL 2

Prof. Sharon Wood-Dauphinee, McGill University. Room 416, 256 McCaul St. 5 p.m. *Rehabilitation Medicine*

Broadband Networks: Alternative Visions.

THURSDAY, APRIL 2

Prof. François Bar, University of California at Berkeley; Claude T. Bissell lecture series. Croft Chapter House. 8:15 p.m. *International Studies*

The Provision of Mental Health Services to Ethnically Diverse Populations.

FRIDAY, APRIL 3

Prof. Stanley Sue, University of California at Los Angeles. Room 506, 203 College St. 2 to 4 p.m. *Ethnic, Immigration & Pluralism Studies and Sociology*

Evoking the Vatican Pietà: Transformations in the Topos of "Living Stone."

FRIDAY, APRIL 3

Rebekah Smick, CRRS graduate fellow. 321 E.J. Pratt Library, Victoria College. 2:10 p.m. *CRRS*

The Important Socratic Dimension in Kierkegaard's Understanding of "Truth."

FRIDAY, APRIL 3

Prof. Dennis Hudecki, University of Western Ontario. Combination Room, Trinity College. 7:30 p.m. *Kierkegaard Circle and Trinity*

Rethinking the Marginalization of Canadian Muslim Women's Experience.

MONDAY, APRIL 6

Shanaz Khan, Ontario Institute for Studies in Education; Popular Feminism lecture and discussion series. Boardroom, 12th floor, Ontario Institute for Studies in Education, 252 Bloor St. W. 8 p.m. *Women's Studies in Education, OISE*

COLLOQUIA

Early Infant-Mother Relationship and Physical Health.

WEDNESDAY, MARCH 25

Prof. Sue Goldberg, Departments of Psychiatry and Psychology. Room 069, 45 Walmer Road. 4 p.m. *Child Study*

Assessing Approximations: The Nature of Physical Models.

WEDNESDAY, MARCH 25

Prof. Margaret C. Morrison, Department of Philosophy. 304 Victoria College. 4:10 p.m. *IHPST*

Electronic Structures, Conductivity and Superconductivity of Alkali Metal Doped C₆₀.

THURSDAY, MARCH 26

R.C. Haddon, AT&T Bell Laboratories, Murray Hill. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics and Chemistry*

Acylphosphonates and Their Oximes, Chemistry and Bio-organic Implications.

FRIDAY, MARCH 27

Prof. Eli Breuer, Hebrew University of Jerusalem. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

Optical Glass and Its History.

TUESDAY, MARCH 31

Prof. Gerard L'E. Turner, University of London; brown bag lunch. 303 Victoria College. 12 noon. *IHPST*

Endocrines, Enterprise and Scientific Discovery.

WEDNESDAY, APRIL 1

Alison Li, Institute for the History & Philosophy of Science & Technology. 304 Victoria College. 4:10 p.m. *IHPST*

Generation and Study of Enols and Other Reactive Species.

FRIDAY, APRIL 3

Prof. A.J. Kresge, Department of Chemistry. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*



SEMINARS

Remembering the Musalmans: Image, Belief and History.

MONDAY, MARCH 23

Prof. Shahid Amin, University of Delhi; visiting Princeton University. 2130 Sidney Smith Hall. 7 p.m. *South Asian Studies*

Ultrafast Electron Transfer: The Role of Vibrational Modes.

TUESDAY, MARCH 24

Prof. Paul Barbara, University of Minnesota. 134 McLennan Physical Laboratories. 4 to 5:30 p.m. *OLLRC*

Quantitation of Specific Fatty Acid Binding by Bovine Serum Albumin Using the Langmuir Trough.

WEDNESDAY, MARCH 25

Jeff Young, Faculty of Pharmacy. 210 Koffler Institute for Pharmacy Management. 9:30 a.m. *Pharmacy*

Monodispersed Inorganic and Polymer Colloids: A Fascinating Field of Science.

WEDNESDAY, MARCH 25

Prof. Egon Matijevic, Clarkson University. 119 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

Research in Human Reliability.

WEDNESDAY, MARCH 25

Prof. Joseph Sharit, State University of New York at Buffalo. 211 Rosebrugh Building. 3 p.m. *Industrial Engineering*

Quasi-Widowhood: Adapting to a Spouse's Institutionalization.

WEDNESDAY, MARCH 25

Prof. Carolyn Rosenthal, Centre for Studies of Aging. 305 Tip Top Building, 455 Spadina Ave. 3 to 5 p.m. *Studies of Aging*

The Relationship between Expression of Bone Matrix Protein Genes and Mineralization of Bone Matrix.

WEDNESDAY, MARCH 25

Kui-Lai Lee, Department of Pharmacology. 4227 Medical Sciences Building. 4 p.m. *Pharmacology*

Odessa Album: Minority Perspectives on the Disintegration of the Soviet Empire.

THURSDAY, MARCH 26

Prof. Harvey Dyck, Department of History, and Svetlana Vishtalenko, Odessa. Boardroom, Multicultural History Society of Ontario, 43 Queen's Park Cres. E. 4 to 6 p.m. *Ukrainian Studies*

Operating a Gallery without Government Funding.

THURSDAY, MARCH 26

Olga Korper, Olga Korper Gallery. S-208, Scarborough College. 5 p.m.

Insulin Receptor Function and Disease: Insights into Insulin Resistance.

FRIDAY, MARCH 27

Dr. George Fantus, Mount Sinai and Toronto General Hospitals. Private Dining Room, Mount Sinai Hospital. 8 a.m. *Banting & Best Diabetes Centre*

Causes and Consequences of Crayfish Invasions in Northern Wisconsin Lakes.

FRIDAY, MARCH 27

Prof. David Lodge, University of Notre

Dame. 3127 South Building, Erindale College. 12 noon. *Erindale Biology*

The Impact of Demographics on Language and Citizenship Laws in the Baltic States.

FRIDAY, MARCH 27

Prof. Juris Dreifelds, Brock University. 2090 Sidney Smith Hall. 2 to 4 p.m. *Estonian Studies*

Hormonal Regulation of Drug Metabolizing Enzymes.

MONDAY, MARCH 30

Prof. Russell A. Prough, University of Louisville. 213 Koffler Institute for Pharmacy Management. 9:30 a.m. *Pharmacy*

Commercializing Technology.

TUESDAY, MARCH 31

E.J. Kenney and D.A. Urquhart, Innovations Foundation. 134 McLennan Physical Laboratories. 4 to 5:30 p.m. *OLLRC*

Is Time a Competitive Weapon among Manufacturing Firms?

WEDNESDAY, APRIL 1

Prof. Jatinder N.D. Gupta, Ball State University. 211 Rosebrugh Building. 3 p.m. *Industrial Engineering*

Biochemistry of Sedative Actions on the GABA_A Receptor/Chloride Channel Complex: Acute and Chronic Studies.

WEDNESDAY, APRIL 1

John Mihic, Department of Pharmacology. 4227 Medical Sciences Building. 4 p.m. *Pharmacology*

Small Non-Profit Housing.

WEDNESDAY, APRIL 1

A symposium with Paul Reuber, Oleson & Worland, Aldo Piccaluga. Room 103, 230 College St. 7 p.m. *Architecture & Landscape Architecture*

Knowledge-Based Planning of Mashing Profiles.

THURSDAY, APRIL 2

R.J. Aarts, Technical Research Centre of Finland. 211 Rosebrugh Building. 11 a.m. *Industrial Engineering*

Consulting Ergonomics.

THURSDAY, APRIL 2

R.D.G. Webb, Humansystems Incorporated. 310 Rosebrugh Building. 1 to 4 p.m. *Industrial Engineering*

Putting Together a Brochure.

THURSDAY, APRIL 2

Elsbeth Lynn, graphic designer. S-208, Scarborough College. 5 p.m.

Afferent Regulation of Rhythmic Movements.

FRIDAY, APRIL 3

Prof. K.G. Pearson, Department of Physiology. 3127 South Building, Erindale College. 12 noon. *Erindale Biology*

Metric Feet and Poetic Lines in Orally Produced Poetry.

FRIDAY, APRIL 3

Prof. Em. Ilse Lehiste, Ohio State University. 143 Ramsay Wright Zoological Laboratories. 3 to 5 p.m. *Estonian Studies and Linguistics*

MEETINGS & CONFERENCES

Health Promotion and Aging Interest Group.

MONDAY, MARCH 23

Discussion to identify the needs, interests and ideas of potential members and the development of this group. 305 Tip Top Building, 455 Spadina Ave. 3 to 5 p.m. *Studies of Aging and Health Promotion*

~ Continued on Page 15 ~

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**The Southern Conservative Tradition in
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Wednesday April 7, 1992, 4:00 p.m.
Room 3050, Sidney Smith Hall

Elizabeth Fox-Genovese

Eleonore Raoul Professor of the
Humanities,
Emory University

Feminism and Rhetoric

Thursday April 8, 1992, 4:00 p.m.
Combination Room, Trinity College



Annual General Meeting

The annual meeting of the
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Applications must be received before June 15, 1992. For further information and application forms please contact:

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481-5745

EVENTS

~ Continued from Page 13 ~ Politics and the Academy: The Impact of Political Imperatives on Academic Integrity.

MONDAY, MARCH 23

A symposium. Panelists: Prof. Michael Marrus, Department of History; Prof. Martha Nussbaum, Brown University; University Prof. John Polanyi, Department of Chemistry; and Glenda Simms, Canadian Advisory Council on Status of Women. Moderator: Robert Fulford. Hart House Theatre. 8 p.m. *SGS and Massey College*

University Affairs Board.

TUESDAY, MARCH 24

Council Chamber, Simcoe Hall. 4 p.m.

Academic Board.

THURSDAY, MARCH 26

Council Chamber, Simcoe Hall. 4:15 p.m.

Business Board.

MONDAY, MARCH 30

Council Chamber, Simcoe Hall. 5 p.m.

Atherosclerosis in Diabetes: Its Progression and Regression.

TUESDAY, MARCH 31

Research symposium. Main lecture theatre, Toronto Hospital, Toronto General Division, 200 Elizabeth St. Epidemiology of Atherosclerosis as It Relates to Diabetes, Dr. George Steiner, Toronto Hospital. 9 to 9:15 a.m. Inflammatory and Immune Mediators as Modulators of the Evolution of Atheroma, Dr. Peter Libby, Harvard Medical School. 9:15 to 10 a.m. Haemodynamic Consideration in Arterial Disease, Dr. K. Wayne Johnson, Toronto Hospital. 10:30 to 10:55 a.m. Nature of the Arterial Wall: The Dynamic Responses to Altered Haemodynamic Forces, Dr. Lowell Langille, Toronto Hospital. 10:55 to 11:20 a.m. Thrombomodulin and Its Role in Atherosclerosis, Dr. Edward Conway, Toronto Hospital. 11:20 to 11:45 a.m. Platelets, Adhesion Molecules and Atherosclerosis, Dr. Eric Yeo, Toronto Hospital. 11:45 a.m. to 12:10 p.m.

Research at the Toronto Hospital, Dr. Donald Layne, Toronto Hospital. 1:10 to 1:20 p.m.

Advanced Glycosylation Endproducts (AGE) and Atherosclerosis, Dr. Helen Vlassara, Rockefeller University. 1:20 to 2:05 p.m.

The Endothelium as a Protector against and an Initiator of Atherogenesis, Dr. Avrum Gotlieb, Toronto Hospital. 2:05 to 2:55 p.m.

Diabetes and Hypertriglyceridemia, Dr. George Steiner, Toronto Hospital. 2:30 to 2:50 p.m.

Postprandial Lipoproteins in Diabetes, Dr. Gary Lewis, Toronto Hospital. 2:55 to 3:20 p.m.

Molecular Biology of Hepatic Lipase Deficiency, Dr. Robert Hegele, Toronto Hospital. 3:30 to 4:15 p.m.

Regression of Coronary Atherosclerosis: A Clinical Reality, Dr. David D. Waters, Montreal Heart Institute. 4:15 to 4:55 p.m. Information and registration: Norah Rankin, 978-4656. *Banting & Best Diabetes Centre and Gwen & J. Chauncey Cohen*

Committee on Academic Policy & Programs.

WEDNESDAY, APRIL 1

Council Chamber, Simcoe Hall. 4 p.m.

FILMS

Innis College Spring Film Program.

THURSDAY, APRIL 2

Arnold Schoenberg. Innis College Town Hall. 7 p.m. Tickets \$3.

FRIDAY, APRIL 3

Films for Music for Film: Lawrence Borse. Innis College Town Hall. 7 p.m. Tickets \$3.

SATURDAY, APRIL 4

Amy Greenfield's Antigone/Rites for the Dead. Innis College Town Hall. 7 p.m. Tickets \$3.



MUSIC

ROYAL CONSERVATORY OF MUSIC

Noon Hour Series.

WEDNESDAY, MARCH 25

John Graham and Eric Medhurst, duo pianos. Concert Hall. 12:15 p.m.

Young Artists Series.

WEDNESDAY, MARCH 25

Bilana Milovanovitch, piano. Concert Hall. 8 p.m.

Royal Conservatory Orchestra.

FRIDAY, MARCH 27

José-Luis García, conductor. Church of the Redeemer, Bloor St. W. at Avenue Rd. 8 p.m. Tickets \$9, students and seniors \$6.

Alumni Association Piano Fund Concert.

SATURDAY, MARCH 28

James Anagnoson and Leslie Kinton, duo pianos. Concert Hall. 8 p.m. Tickets \$35.

Art Gallery of Ontario Series.

SUNDAY, MARCH 29

Martin Beaver, violin, and Jamie Parker, piano. Walker Court, Art Gallery of Ontario. 3 p.m.

FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Historical Performance Ensembles.

WEDNESDAY, MARCH 25

Timothy McGee, director. Walter Hall. 8 p.m. Tickets \$5.

Thursday Noon Series.

THURSDAY, MARCH 26

Michael Purves-Smith, baroque oboe, and Colin Tilney, harpsichord. Walter Hall. 12:10 p.m.

THURSDAY, APRIL 2

Featuring performances by student chamber ensembles. Walter Hall. 12:10 p.m.

Benefit Concerto Concert.

THURSDAY, MARCH 26

Three concertos played and conducted by students from the Faculty of Music; organized and sponsored by the students in the faculty and the 1992 Gratitude campaign. MacMillan Theatre. 8 p.m. Tickets \$11, students and seniors \$7.

Faculty Artists Series.

FRIDAY, MARCH 27

U of T Chamber Orchestra; David Zafer, conductor. Walter Hall. 8 p.m. Tickets \$15, students and seniors \$10.

Wind Symphony.

SATURDAY, MARCH 28

Melvin Berman, conductor. MacMillan Theatre. 8 p.m. Tickets \$5.

Faculty Recital.

SUNDAY, MARCH 29

St. Lawrence String Quartet. Walter Hall. 2:30 p.m. Tickets \$10, students and seniors \$5.

University Women's Chorus.

WEDNESDAY, APRIL 1

Ann Cooper Gay, conductor. Walter Hall. 8 p.m. Tickets \$8, students and seniors \$5.

Concert Band.

FRIDAY, APRIL 3

Stephen Chenette, conductor. MacMillan

Theatre. 8 p.m. Tickets \$5.

U of T Jazz Ensembles: Big Band.

SATURDAY, APRIL 4

Paul Read, director; Phil Nimmons, director emeritus. MacMillan Theatre. 8 p.m. Tickets \$8, students and seniors \$5.

TRINITY COLLEGE

Choral Evensong.

WEDNESDAY, MARCH 25

Robert Bell, director. Trinity College Chapel. 5:30 p.m.

WEDNESDAY, APRIL 1

Robert Bell, director. Trinity College Chapel. 5:30 p.m.

Choral Concert.

SUNDAY, APRIL 5

Robert Bell, director. Trinity College Chapel. 4 p.m. Tickets \$5, students and seniors \$2.



PLAYS & READINGS

Statues: Two One-Act Plays.

TUESDAY, MARCH 24 TO

SUNDAY, MARCH 20

Ready, Willing, and Able?, by Leah Perlmutter; Pedestal, by David Bateman. Graduate Centre for Study of Drama production. Glen Morris Studio Theatre, 4 Glen Morris St. Performances at 8 p.m. except Sunday 2 p.m. Reservations: Monday to Friday, 11 a.m. to 5 p.m., 978-7986.

Lorna Crozier.

WEDNESDAY, MARCH 25

Poetry reading. S358, Scarborough College. 2 p.m.

Macbeth.

WEDNESDAY, MARCH 25 TO

SATURDAY, MARCH 28

By William Shakespeare; directed by Robert Lepage. Graduate Centre for Study of Drama 1991-92 season. Hart House Theatre. Performances at 8 p.m. Tickets: \$15, students and seniors \$8. Reservations: 978-8668.



EXHIBITIONS

ROBERTS LIBRARY

The Art and Culture of Romania and Moldova.

TO MARCH 30

Paintings and artifacts, tradition and modern; co-sponsored by Romanian Canadian Society "CARPATI" of Toronto.

The Royal City of Cracow.

APRIL 3 TO APRIL 29

Depicts the architecture and monuments of Cracow; co-sponsored by the Polish Heritage Society. Main Display Area. Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m. *Alumni & Community Relations*

SCARBOROUGH COLLEGE

15th Annual Juried Student Exhibition.

TO APRIL 3

Student work. The Gallery. Gallery hours: Monday to Friday, 11 a.m. to 4 p.m.

JUSTINA M. BARNICKE

GALLERY, HART HOUSE

Hart House Art Competition and 70th Annual Exhibit of Photographs.

TO APRIL 9

Sponsored by the Hart House Art and Camera Club Committees. Both Galleries. Gallery hours: Monday and Friday, 11 a.m. to 6 p.m.; Tuesday, Wednesday and Thursday, 11 a.m. to 8 p.m.; Saturday and Sunday, 1 to 4 p.m.

SCHOOL OF ARCHITECTURE & LANDSCAPE ARCHITECTURE

MARCH 23 TO APRIL 10

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Recent projects in Toronto. The Galleries, 230 College St. Hours: Monday to Friday, 9 a.m. to 5 p.m.

THOMAS FISHER RARE BOOK LIBRARY

Dramatis personae.

TO MAY 29

Exhibition of amateur theatre at U of T from 1879 to 1939. 1st and 2nd floors. Hours: Monday to Friday, 9 a.m. to 5 p.m.



MISCELLANY

Erindale Alumni "Power Breakfast."

WEDNESDAY, MARCH 25

Speaker: Prof. Hugh Gunz, Faculty of Management. Mississauga Board of Trade Club. 7:30 to 9 a.m. Tickets \$15. Information: 828-5454.

NMR: From One to Four Dimensions: Novel Methods of Obtaining Structure and Dynamic Information on Proteins.

THURSDAY, MARCH 26

A workshop with Prof. Lewis E. Kay, Department of Medical Genetics. 4279 Medical Sciences Building. 2 to 4 p.m. *PENCE*

Exhibition and Sale of Contemporary Canadian Art.

WEDNESDAY, APRIL 1 TO

SATURDAY, APRIL 4

A selection of paintings, sculptures, photographs, prints, drawings, glass and ceramic works by 60 contemporary Canadian artists. Admission \$5 for opening night. Seeley Hall, Trinity College. Hours: Wednesday, 6 to 8 p.m.; Thursday and Friday, 12 noon to 7 p.m.; Saturday, 11 a.m. to 4 p.m.

Stage West Dinner Theatre.

THURSDAY, APRIL 2

"Erindale Night" at Stage West in Mississauga to see Leader of the Pack. Tickets \$48. Reservations: 828-5214.



DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, 2nd floor, by the following times:

Issue of April 6, for events taking place April 6 to 27: MONDAY, MARCH 23.

Issue of April 27, for events taking place April 27 to May 11: MONDAY, APRIL 13.

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ACCOMMODATION RENTALS AVAILABLE — METRO & AREA —

Casa Loma Inn (Annex). 20-room inn on quiet street. Attractive, clean, comfortable rooms. 4-piece baths, air conditioning, TV, radio, fridge, laundry, parking. U of T, subway, restaurants minutes away. Non-smokers only. Competitive daily, weekly, monthly rates. 924-4540.

Sabbatical house available for 6 months, starting July 1, 1992. 4 bedrooms, furnished, garage, 1 block west of campus, modern appliances, central air conditioning, fully renovated Victorian. \$1,650/month. Robert Street. 926-0433, after 6:00 p.m.

Sabbatical rental — July to July (negotiable). Broadview/Danforth. Furnished three-bedroom house. Finished basement. Lovely garden. Close to TTC, parks, schools, shops, restaurants, downtown. \$1,500 a month. David Dyzenhaus, 978-6935 (day).

Sabbatical rental. Spacious, furnished, renovated, 4- or 5-bedroom home. Quiet street close to subway, schools and High Park. Private drive, large garden, deck. From July/September 1992 until July/August 1993. \$1,650/month + utilities. 536-4373, 978-7891.

Professor on sabbatical has five-bedroom, two-bathroom, nicely furnished house from September 1, 1992 to August 31, 1993 (dates negotiable). Fireplace, deck, finished basement. Eglinton/Avenue Road. \$1,800/month plus utilities. Telephone: 487-1027.

Sabbatical rental. Available from July 1992 to August 1993. Newly renovated, furnished home. 3 bedrooms, 2 bathrooms, den with fireplace, walk-out to deck, 5 appliances. Close to subway. Asking \$1,300/month plus utilities. 221-7090.

Sabbatical rental: west Annex. Walk to U of T. July 1/August 1, 1992 to June 30, 1993. Close to subway, stores, schools, parks. Victorian townhouse, fully furnished/equipped. Two studies, open-plan dining/living area, two bedrooms, two bathrooms, fireplace, deck, garden, parking. \$1,650 + utilities. 588-3388.

Sabbatical lease. Spacious, furnished, 5-bedroom home in prime downtown neighbourhood. 10 minutes walk to University of Toronto, 3 minutes to subway, shopping. All major appliances. Parking, deck, garden. From June/August 1992 until July/August 1993. \$2,000/month + utilities. 535-9353.

Sabbatical rental. Comfortable family home, North Toronto, fully furnished, close to schools (John Ross P.S., Lawrence Park C.I.) and TTC. Three bedrooms including large master suite with study, well-equipped renovated kitchen, two new bathrooms, main-floor family room, large garden. September 1992 to July 1993. \$1,800/month + utilities. 978-5205, 481-9145.

Huron St., walk to U of T. Renovated 4 + bedrooms, huge living-room with 10 ft. ceiling and marble fireplace, formal dining-room, large eat-in kitchen with new appliances. Family sun-room, w/o deck to private garden with fruit trees, central air & vacuum, parking. Asking \$1,800 +. 979-3347.

3-bedroom executive home in the Beaches. Available July 1 to August 15. Perfect for short-term stay for teaching professor or adults taking summer courses. \$1,800 (inclusive). Phone 694-6070.

One-bedroom penthouse apartment, beautifully furnished, centrally located in Bay/Bloor area. Looking for quiet, respon-

sible, single, non-smoking tenant. Separate kitchen, living/dining area combined, parking. Commencing June 1992 through August 1993 (negotiable). \$1,500/month. 960-3518.

Sabbatical rental. Fully furnished 2-bedroom condominium. 2 bathrooms, L-shaped living & dining, balcony. Overlooking park. Forest Hill location. Direct subway 10 minutes to U of T. 5 appliances, elegant decor. Non-smokers. \$1,450/month inclusive. 787-8464.

Professor on sabbatical has nice 3+1 bedroom furnished house, quiet neighbourhood, TTC, close to schools, subway. Fireplace, parking, garden, garage. Finished walk-out basement with extra bedroom, kitchen, laundry. All major appliances. From June 1992 for year (flexible). References required. Danforth/Kennedy. \$1,250 + utilities. 266-4821.

Yonge/Eglinton. August 1992 — August 1993 (flexible). Cozy, renovated, bright, 3-storey, 3-bedroom, detached house. Steps to subway. Open fireplace, private garden, 6 appliances, A/C, parking. \$2,400/month + utilities includes pool. (\$2,200/month + utilities without pool). 924-1838.

Fully furnished house on quiet cul-de-sac, St. Clair & Christie. 3 bedrooms, finished room & powder room in basement, parking, garden. Close to schools, shopping, TTC. Available May 1 for 1 year +. \$1,250 + utilities. Daryl, 652-9631.

May-August spectacular view! Luxury condo, Bay and St. Joseph, panorama overlooking campus, city, lake. 2 bedrooms, 2 bathrooms, modern granite floors, open kitchen/living/dining, fully furnished. Pool, weight room, squash. \$1,200/month. 975-4652.

Two-bedroom unfurnished apartment downtown. 22nd floor, modern building with pool and sauna, air-conditioned. Walking distance to U of T. \$1,232 including utilities, possibly negotiable. Sublet, available immediately. Henry Spencer, 978-6060, afternoons.

May 21 — December 1 or negotiated with time frame. Annex, Bloor/Spadina, 2-bedroom furnished or semi-furnished apartment. Bright, attractive, stained glass, hardwood floors. Parking available. \$875 a month inclusive. Telephone 929-3737.

Bloor West Village. 1-bedroom apartment in family home. Cheerful, renovated. Available immediately. Private entrance, access to yard, security (burglar alarm) system, no pets please. \$695/month includes utilities and cable. 762-4933.

Beach — June-August 1992. Steps to lake. Spacious Victorian house, elegantly furnished, 3 bedrooms, sun-deck, fireplaces, garage, all conveniences. Downtown transportation nearby. \$2,000 monthly inclusive or \$5,000 for three months. Non-smokers. References required. 699-6679.

Kingsway, 3-bedroom house for rent, \$1,550/month + utilities. Available April 15. Five minutes to subway. 926-7728 or 592-4965.

Bloor/Jane. Large 1-bedroom on 1st floor, kitchen, living-room & 4-piece washroom. 1 bachelor basement apartment with separate kitchen & washroom. Close to TTC. Suit non-smoking women. Utilities included. Evenings, 766-8816.

Summer rental. Markham Street/Harbord. Owner's nicely furnished 2-level apartment in quiet Victorian home. \$1,500 sq. ft., 2 bedrooms/den, 2 baths, study. Antiques, deck, private garden, parking. May to September 1992. \$1,475 monthly inclusive. 960-1881.

Sublet. Furnished one-bedroom. Spadina and Eglinton. Parking. Available May 1, 1992. \$543 + utilities. Jane, 782-6062.

Summer sublet. Large, beautiful, fully-furnished, 2-bedroom duplex on tree-lined street. Lots of plants, leaded windows, balcony, laundry, VCR. College/Dovercourt — 10 minutes to campus by streetcar. May to September. \$975/month inclusive. 516-3450.

3-bedroom detached home for rent July 1992 to July 1993. Located in popular Bloor West Village area, close to subway, shopping, schools and parks. Owner on sabbatical. Call after March 31, (519) 473-3321.

Summer rental. Executive 5-bedroom, 3½ bathrooms; Avenue Road and St. Clair; centre-hall plan, air conditioning, indoor and outdoor Jacuzzis; two studies, great decor. July and August, \$2,500 per month plus utilities. 978-8637.

Eglinton/Mt. Pleasant furnished 3-bedroom house on quiet street — parking, patio, garden. Half hour to university. Sabbatical rental May — July 1992. \$1,200 per month. Utilities in exchange for mowing/watering. References required. 483-5205, after 7 p.m.

Beaches. Bright, renovated, furnished, one-bedroom basement apartment in prof's home. Perfect for visiting prof/grad student. Laundry, separate entrance, CAC, garden, utilities, TTC, 2 blocks to boardwalk. No smokers/pets. \$180/week (short-term), \$680/month (long-term). 693-9268.

Sabbatical rental. Wonderful Annex house, furnished, with garden, parking. September 1, 1992 — July 1993 (flexible). 3-4 bedrooms, 1-2 studies, 2½ baths, fireplace, deck, lovely breakfast room. Easy walking distance U of T, 2 minutes Bathurst/Bloor subway. \$2,000 + utilities. 531-5183.

Avenue Road/Eglinton. September 1, 1992 to August 31, 1993. Spacious, furnished home. 4 bedrooms, study, TV/playroom, living & dining rooms, fireplace. Charming garden, private driveway. Excellent neighbours. Close to bus, subway, schools, shopping, parks. \$1,700/month + utilities. 978-6412, 483-1086 after 7 p.m.

2-year sabbatical lease. Spacious, 3+ bedroom (study & den) home, 3 floors, huge eat-in kitchen, lovely garden, 2 decks, 2 baths, 2 fireplaces, steps to subway/TTC. Central. \$1,850/month + utilities. 658-3767.

Light-filled, newly renovated, basement apartment. 1 bedroom, laundry, steps to TTC, central. Non-smokers only. \$500 + utilities. 658-3767.

ACCOMMODATION RENTALS REQUIRED

Help! Careful, responsible professional requires central one-bedroom apartment or flat. Would love deck, fireplace. No basements, please. \$600 per month from April 15, 1992. 489-2146 (leave message).

Canadian Orthopaedic Fellow needs furnished house or apartment, central, reasonable rent. Prefer mid-July 1992 to mid-July 1993. Flexible, reliable, responsible, non-smokers. No children/pets. References available. Dr. Jeff Haasbeek, 5025 Hillsboro Road, Nashville, Tennessee, 37215-3721. (615) 383-1935.

July 1. Bachelor/studio apartment (unfurnished, not basement). Long-term rental by married professors whose main residence is outside Toronto. Must be safe, secure, private, close to University-Spadina line. 535-9163 (leave message) or (313) 426-5966 (late evenings).

ACCOMMODATION SHARED

College/Dovercourt. Lovely, bright & large 2-bedroom flat to share with woman professional in second floor of house; own laundry in basement, off-street parking, convenient to University, hospitals. \$520 + utilities/month. 536-2369.

House to share/Broadview & Danforth. Transit. Large, quality renovation; smoke- and pet-free; 9' x 12' bedroom/office with private deck over backyard, newly furnished. Ideal for visiting professor or doctoral student. Considerate and organized housemate wanted. Share entire house. \$400 includes maid. Available immediately. Ken Shepard Ph.D. 463-0423.

Beaches — to share. Lovely 2-bedroom apartment at boardwalk, upper, overlooking lake, large kitchen, dining-room, fireplace, 5 appliances. Express bus to downtown. Must be seen! Suited for non-smoking professional. No pets. 972-5250. Leave message.

ACCOMMODATION OUT OF TOWN

Calgary sabbatical lease June/July/92 — June/July/93 (negotiable). Adjacent UC campus. Near LRT/schools, shops. Fully furnished, 4 bedrooms + study, all appliances, garage, 2 decks, garden. Children/pets/non-smokers welcome. \$1,600/month + utilities. (403) 282-8219, 220-3843.

ACCOMMODATION OVERSEAS

Provence, South of France. 3-bedroom house (furnished) in the picturesque village of Puylobier, 20 km. east of Aix-en-Provence. Phone, washer, central heating. Available August 1992 — August 1993. \$700/month + utilities. Beth, 978-7458 or 533-8844 after 8 p.m.

Sabbatical on the French Riviera, 2-bedroom, 2-bathroom apartment, 100 metres from Villefranche Harbour (next to Nice); fully furnished, equipped. Available September 2 (possibly August) for 10-12 months. \$950/month plus utilities. 978-8637.

ACCOMMODATION EXCHANGE

House swap Brisbane, Australia ophthalmologist with Toronto person for twelve months from July 1, 1992. Car a possibility. Andrew Apel, 113 Wickham Terrace, Brisbane 4000, Australia. Phone 7 831-8606.

COMMERCIAL SPACE FOR RENT

Victoria Park and Lawrence. Medical office approximately 950 square feet. Completely renovated. \$1,200 monthly plus hydro and telephone. Two offices, 3 exam rooms, lab, ample parking. Marjorie Gartner, sales representative. Royal LePage Real Estate Services Ltd. Realtor. 752-3111.

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VACATION / LEISURE

Collingwood, Cranberry, luxury townhouse, sleeps 6, pool, skiing, cross-country & downhill, mountain view, fireplace. Weekend, \$275; week, \$575. 928-3011. (416) 476-5482.

HOUSES & PROPERTIES FOR SALE

Advance notice of sale. Earliest April we will list our splendid renovated home one block from campus on a quiet one-way street. Brick Victorian semi has 4 bedrooms, 2.5 baths, 2-car garage, many fine extras. Private offer this month well below anticipated listing price of \$480K. For info & appointment: 593-5008. No agents.

Penthouse for sale. 3 bedrooms plus den. 2,200 sq. ft. plus 600 sq. ft. terrace overlooking city and lake. Bathurst north of Eglinton. \$275,000. Canada Trust, Helene Katz, 481-3443.

Walk to U of T. Detached, delightful, 8 rooms, 2 bathrooms, large single-family or 2-family home, full of tradition and charm, fireplace. New eat-in kitchen, den, decks and double-car garage. \$259,000. Nancy Freeman, Barry Freeman R.E. Ltd. 535-3103.

Walk to U of T. First offering of this rare, original, 3-storey, 5-bedroom Victorian single- or 2-family home on Robert street. Many original features, parking. \$299,000. Elden Freeman, Barry Freeman R.E. Ltd. 535-3103.

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RESEARCH NOTICES

For further information and application forms for the following agencies, please contact ORS at 978-2163.

HUMANITIES & SOCIAL SCIENCES MULTICULTURALISM & CITIZENSHIP CANADA
The Canadian ethnic studies program supports and promotes research on the demography, culture, social, political and economic organization of ethnocultural groups in Canada. The research can be historical, contemporary, interdisciplinary or comparative. Deadline is April 30.

SOCIAL SCIENCES & HUMANITIES RESEARCH COUNCIL
Following the announcement of the merging of SSHRC and the Canada Council, a statement has been issued confirming that SSHRC's current budget for research remains intact; that those currently holding SSHRC grants and fellowships are unaffected; that all program criteria and selection procedures remain as stated in the SSHRC application guide; and that the upcoming competitions for grants to be taken up in 1992-93 are going ahead in mid-March as planned. Summary lists of results for the research and strategic grants competitions will be forwarded to university research offices in mid-April. Applicants will be advised of the results by ORS by mail as soon as possible.

MEDICINE & LIFE SCIENCES ASSOCIATION FOR THE ADVANCEMENT OF AUTOMOTIVE MEDICINE
The David R. Foust memorial fund was established by AAAM to encourage and support studies and research efforts in the area of biomechanics as it relates to automotive safety; to bridge the medical and engineering disciplines in furthering biomedical research; and to encourage students and non-researchers to enter this important field. Funding of up to \$15,000 is available to students or new investigators doing research in the elimination, reduction or mitigation of motor vehicle-related injuries; the better understanding of the mechanisms of such injuries; and the care of injured persons. Deadline is April 1.

HANNAH INSTITUTE FOR THE HISTORY OF MEDICINE
The institute offers support for publication and editorial assistance of scholarly works which make an important contribution to the history of medicine in Canada. The institute defines "Canadian" in this context to mean the investigator is a Canadian citizen or a landed immigrant living in Canada or the subject matter is Canadian. The institute will not accept unrevised theses; collective works and conference proceedings; bibliographies and reference works; memoirs and autobiographies; or manuscripts of interest to a small circumscribed audience only. Deadline is April 1.

HEALTH & WELFARE CANADA NHRDP announces a special research initiative for research on diabetes in the Canadian aboriginal population. This competition encourages the formation of consortia/networks among investigators pursuing a similar objective and employing a similar research design and between aboriginal communities, health care professionals and academic researchers. For the present purposes, aboriginal is defined as status/non-status Indians, Inuit and Metis. Research projects must be consistent with one or more of the following areas: to improve the understanding, magnitude and extent of the diabetes problem among aboriginal communities in Canada; to elucidate genetic, lifestyle, socioeconomic and other risk factors and underlying metabolic mechanisms of diabetes among aboriginal peoples; to determine the risk of complications associated with diabetes and factors which may promote or prevent their development; to evaluate health care services for people with diabetes, or its complications and related chronic diseases, including diagnostic and screening methods, clinical treatment, self-care and rehabilitation; to investigate and document cultural aspects, knowledge, values and attitudes related to diabetes and how such factors affect treatment choices and adherence

to prescribed treatment among aboriginal Canadians; to assess the effectiveness and efficiency of primary, secondary and tertiary prevention strategies for diabetes, based on lifestyle approaches, its complications and related chronic diseases; and to estimate the economic costs and psychological impact of diabetes. Initial submission is by letter of intent and successful applicants will be invited to prepare a full application. Letters of intent are considered to be grant applications and must bear all required signatures. Deadline is May 1.

NATIONAL INSTITUTES OF HEALTH (US)
Investigators are reminded that the Other Support section must contain information on all support, including federal, non-federal active support and pending and planned requests for support of research and research-related activities by all key personnel listed for each application.

SCOTTISH RITE CHARITABLE FOUNDATION OF CANADA/ROEHER INSTITUTE
The institute, sponsored by the Canadian Association for Community Living, is Canada's national institute for the study of public policy affecting persons with a mental handicap. On behalf of the Scottish Rite Charitable Foundation, the institute administers graduate student research grants (post-graduate) and research grants (faculty members or associates) in the field of mental handicap or closely related fields. These grants are valued at up to \$8,000. Major research grants (up to \$35,000) in the field of mental handicap including Alzheimer's disease, are offered to university researchers. Eligible candidates for all programs must be Canadian citizens or landed immigrants and all study and research must be carried out in Canada. Deadline is April 30.

THYROID FOUNDATION OF CANADA
Research fellowships are offered to post-doctoral candidates in the life sciences

working in the field of thyroid function and diseases. The fellowship stipend is valued at \$30,000, tenable for one year in a university or research centre in Canada. Deadline is April 10.

UPCOMING DEADLINES
Association for the Advancement of Automotive Medicine — David R. Foust memorial fund: April 1.
Atkinson Charitable Foundation — research grants (internal deadline): April 1.
Baxter Health Care Corporation — renal therapy division research grants: April 10.
J.P. Bickell Foundation — research grants (internal deadline): April 15.
Bower Award — nominations: May 15.
Canadian Cystic Fibrosis Foundation — pre-doctoral studentships: April 1; fellowship competition cancelled.
Canadian Friends of Schizophrenics — competition cancelled.
Canadian Hypertension Society — jointly sponsored fellowships: April 1.
CNIB — Ross C. Purse fellowship not available for 1992.
Cancer Research Institute — fellowships: April 1.
Cancer Research Foundation of America — research grants, fellowships: April 1.
Wendy Will Case Cancer Fund Inc. (US) — research grants: April 1.
James H. Cummings Foundation Inc. — research grants (internal deadline): April 15.
Cutter Biological/Canadian Red Cross Society — research grants (invited full application): April 1.
Dairy Bureau of Canada — research grants (full application): April 1.
Easter Seal Research Institute — research fellowships, research project grants, research training grants: April 15.
Hannah Institute — publication program: April 1.
Health & Welfare Canada — Diabetes in the Canadian aboriginal

population research grants: May 1.
Louis & Arthur Lucien Award — research grants: April 1.
MRC — studentships (renewal), fellowships (new and renewal), development grants, groups (new and renewal), program grants (new and renewal); university-industry studentships, fellowships; MRC/HWC(NHRDP) AIDS post-doctoral fellowships; MRC/MDAC fellowships: April 1.
Multiculturalism & Citizenship Canada — Canadian ethnic studies program: April 30.
National Cancer Institute of Canada — Terry Fox research project grants (letter of intent): April 1; Terry Fox development grants (full application): April 15.
National Neurofibromatosis Foundation Inc. — research grants, young investigator awards: April 1.
NSERC — strategic grants: May 1.
Ontario Ministry of Health — health systems research: feasibility/formulation, workshop/conference: any time.
Scottish Rite Charitable Foundation of Canada/Roeher Institute — major research grants, graduate students research grants, research grants: April 30.
Secretary of State (Canadian Studies & Special Projects Directorate) — Canadian studies learning materials development: April 1.
SSHRC — aid to occasional scholarly conferences, support to specialized collections, travel grants for international representation: April 1; strategic partnership development grants: April 15.
Thyroid Foundation of Canada — research fellowships: April 10.
Tri-Council Eco-Research (Green Plan) — university research chair, for external deadline of May 15, internal deadline: April 1; doctoral fellowships: June 15.
U of T, Humanities & Social Committee — grants-in-aid: April 1; Connaught Committee — phase I new staff grants (nominations): May 1.

COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees. The deadline for submissions is Monday, two weeks prior to publication.

REVIEW

CHAIR, DEPARTMENT OF MEDICAL BIOPHYSICS
A search committee has been established to recommend a professor and chair of the Department of Medical Biophysics. Members are: Professor Jeremy Carver, associate dean, basic sciences, Faculty of Medicine (chair); Professors Laszlo Endrenyi, associate dean, Division IV, School of Graduate Studies; Gerald Goldenberg, assistant dean, division of oncology, Faculty of Medicine; Ron Buick, Mark Henkelman and Gordon Whitmore, Department of Medical Biophysics; Robert Phillips, Departments of Medical Biophysics, Medical Genetics, Immunology and Paediatrics; Jacqueline Segall, Departments of Biochemistry and Medical Genetics; and Paul Sadowski, Departments of Medical Genetics, Pathology and Medical Biophysics; and Anna P. Perry, dean's office, Faculty of Medicine (recorder).
The committee would welcome any comments or suggestions regarding this appointment. These may be communicated, preferably in writing, to the chair or to any member of the committee.

CONSULTING

CONSULTATIVE COMMITTEE ON THE ENVIRONMENT
In the provost's administrative response to the report of the Working Group on the Environment, the provost accepted the recommendation to establish a University of Toronto Consultative Committee on the Environment with the following terms of reference and called on the whole University community for nominations for membership of the committee. The committee has now been established.
Terms of reference
• to receive and review statements of their mission and role in environmental programs from the academic divisions
• to develop and maintain cohesion and cooperation among the divisions that offer academic programs or courses in the environmental area
• to identify unnecessary duplication and overlap between programs offered by different divisions, and the possibilities for developing focused interdisciplinary offerings and collaborative programs
• to identify the potential for new programs in the area of the environment

and to support the initiation and development for those for which there is a high priority
• to work with the academic divisions towards providing reasonable access for students to the offerings of divisions other than the one in which they are registered
• to ensure the development of materials which will inform students and prospective applicants to the University about the objectives and nature of the programs offered, the preparation which is required for admission to them and where academic counselling can be obtained
• to advise the provost and the heads of the academic divisions on priorities for staffing and resources within the sphere of environmental studies in the University and how best to address the current imbalance of student demand and resources available for the University's environmental programs.

Membership
Professor J.E. Foley, vice-president and provost (chair); Professors B.J. Adams, Department of Civil Engineering; M.J. Ashley, Department of Preventive Medicine & Biostatistics; R.L. Baker, zoology, Erindale College;

S.C.H. Barrett, Department of Botany; R.B. Bryan, Division of Social Sciences, Scarborough College; V.W. Maclaren, Department of Geography; M.J. Phillips, associate dean, Division III, School of Graduate Studies; H.A. Regier, Institute for Environmental Studies; W.L. Rolph, Innis College; J.A. Stinson, School of Architecture & Landscape Architecture; Edmund Sullivan, Ontario Institute for Studies in Education; Michael Thompson, Department of Chemistry; V.R. Timmer, Faculty of Forestry; P.G. Wells, Faculty of Pharmacy; and Anne Zimmerman, Department of Zoology; and Omer Biceroglu, Environmental Planning & Services, Esso Petroleum Canada; George Ferreira and Madeleine Matos, undergraduate students; Robert Gale, Environmental Protection Office, Department of Public Health; J.T. Purdham, Occupational & Environment Health Unit, Faculty of Medicine; Frances Silverman, Institute of Environment & Health; Richard Taylor and W.A. Untereiner, graduate students; Peter Victor, assistant deputy minister, Ministry of the Environment; and Alvan Bregman, assistant vice-provost (arts and science) (secretary).

F. Y. I.

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PHD ORALS

Graduate faculty please call the PhD oral examination office at 978-5258 for information regarding time and location for these listings.

FRIDAY, MARCH 27

Filippos Aravanopoulos, Faculty of Forestry, "Dynamics of Electrophoretic Spectra in Families of *Salix Erioccephala Michx.* and *Salix Exigua Nutt.*, and Their Implementation in Breeding Research." Prof. L. Zsuffa.

Sara Louis Mackay Gibson, Graduate Centre for Study of Drama, "The Plays of Dennis Foon: A Playwright for Young Canadians." Prof. A. Saddlemeyer.

Lawrence Walker Johnston, Department of Political Science, "Between Transcendence and Nihilism: Species-Ontology in the Philosophy of Ludwig Feuerbach." Prof. R.A. Fenn.

Susan Margaret Vincent, Department of Anthropology, "The Crisis and Livelihood Strategy in the Central Peruvian Andes: The Peasants of Mata Chico." Prof. G.A. Smith.

MONDAY, MARCH 30

Maureen Susan Hawkins, Department of English, "Heroic Kings and Romantic Rebels: The Dramatic Treatment of Brian Boru and Robert Emmet as Irish National Heroes, 1722-1972." Prof. A. Saddlemeyer.

Niamh Claire O'Laoghaire, Department of History of Art, "The Influence of Van Gogh on Matisse, Derain and Vlaminck, 1898-1908." Prof. B. Welsh Ovcharov.

TUESDAY, MARCH 31

Richard Thomas Kidder, Centre for Comparative Literature, "Modernism and Its Return: The Arts of the Future Perfect." Prof. J.E. Chamberlin.

FRIDAY, APRIL 3

Mary Bronwyn Weaver, "Empowering the Children: Theatre for Young Audiences in Anglophone Canada." Prof. J.R. Courtney.

MONDAY, APRIL 6

John Michael Flood, Department of Education, "As If Other/As If Indian: Appropriation of the Native Voice in Contemporary Fiction of Northern Ontario." Prof. J.L. Aitken.

TUESDAY, APRIL 7

John S. Mihic, "Comparative Studies of Sedative Action and Tolerance on GABA_A Receptor-Mediated Chloride Influx in Brain." Prof. H. Kalant.

WEDNESDAY, APRIL 8

Yuan Chia Joyce Koo, "Department of Metallurgy & Materials Science, "Structural Characterization of Microcrystalline Si:H Thin Films Produced by Neutron Radiation." Profs. K.T. Aust and S.J. Thorpe.



Medical Research Council of Canada

The Vice-President - Research and International Relations invites all those with an interest in medical research to attend an

OPEN FORUM

on the development of a

STRATEGIC PLAN
for the
MEDICAL RESEARCH COUNCIL OF
CANADA

This event is a part of a nation-wide MRC initiative and provides an opportunity to discuss major issues confronting the health research community, hear the views of colleagues and consider future directions for the MRC.

The Forum will be attended by members of the Medical Research Council, researchers from the University and its affiliated hospitals, and representatives of volunteer organizations, government and industry. Graduate students, post-doctoral fellows and young faculty members are encouraged to attend.

DATE: Thursday, 9 April 1992

TIME: 3:15 - 6:00 p.m.

PLACE: MACLEOD AUDITORIUM

(Adjacent to the Medical Sciences Building
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Further information may be obtained by calling
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Dinner - The Great Hall, Hart House - 7:30 p.m.

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FACING THE FACTS

In these difficult days, university communities must work together to reshape their vision

BY RICHARD ALLEN

ONTARIO'S UNIVERSITIES ARE FACING a new reality as indeed is our whole province. We grew accustomed, during decades of rapid growth, to a standard of living that is the envy of other provinces and wealthy nations. This growth — the result of hard work — provided us with the social infrastructure we deserved, that all Canadians deserve. We paid for that infrastructure through our wages, through our jobs. During this period, government revenues reflected our prosperity.

Now, government revenues reflect a recession.

Suddenly, a brake has been applied to the economy. Eighty percent of all the jobs lost in Canada last year were lost in Ontario. In 1991, for the first time since 1945, government revenues dropped. This was a dramatic reversal from the prosperity of the 1980s and one that financial indicators suggest will continue for the next two years. At the same time, these economic circumstances have dramatically increased the pressure on our social safety net.

For a government trying to battle the recession and a five-year freeze on federal transfer payments while, at the same time, trying to ease the hardship that the recession has created for tens of thousands of Ontarians, the downturn in the economy has had a profound influence on the way we do business.

In the face of this new reality we consulted with our transfer partners in the post-secondary sector to let them know we were going to have to make some tough decisions relating to the funding of our colleges and universities. We listened carefully to the arguments about underfunding, arguments that I have supported in opposition as in government. While these arguments are no less compelling now, the revenue shortfall facing the province simply prevents us from responding to the problems of the post-secondary system as we might wish.

The treasurer's announcement limiting transfer payments to one, two and two percent over the next three years speaks to the new reality that this government and all its transfer partners must face. It is a reality that implies change; one that requires rethinking under the pressure and frustration of realizing that the limitless aspirations for Ontario's universities are bound by limited resources.

I believe we are up to this challenge. I am convinced the commitment of administration, faculty, support staff and students to post-secondary education will see us through this difficult time. That is why we are bringing together representatives of all these groups to work with the government on short- and long-term task forces to explore ways to reshape our post-secondary institutions.

Universities have already submitted proposals to the short-term task force on ways to restructure the university system. Proposals that are applicable across the entire university sector, or at least part of it, and which require funding to put into effect, will be eligible for transitional assistance from the treasury. The amount universities receive will depend, among other things, on the quality of each proposal and the degree of creativity and consensus behind it.

We are seeking consensus from all the players in the university sector because consensual proposals address and simultaneously harmonize disparate interests. They are therefore often the soundest, with the best chance of succeeding.

This type of dialogue has already begun and I have been impressed by the degree of openness shown. Students, faculty, support staff and members of the administration have recognized that, when confronted with the possibility of job losses, reductions in programs or diminished accessibility, the best decisions are those that are taken together.



for them on our campuses. We must continue our efforts to develop and improve the climate for under-represented groups not only by making universities more accessible but also by making sure that the necessary supports exist that will allow these individuals to succeed in their studies.

By being open and more accessible to under-represented groups in our society, universities will inevitably become more accountable to the communities they serve because their student body will reflect the changing social and cultural composition of our province.

A more literal notion of accountability, but just as important, involves finding ways to assure the taxpayers of Ontario that our universities are fulfilling their designated roles and spending tax dollars wisely.

Last fall the government, with the assistance of representatives of the university community, launched a task force to examine how universities can better account for the goals they set and the public money used in achieving these objectives. Although there are numerous mechanisms within the university sector to measure activities such as financial and enrolment reporting, program reviews and external audits, a public perception exists that more should be done in this area.

With this in mind, the task force on accountability has identified a long list of objectives in areas such as governance, academic policy and financial and business affairs management. It will evaluate current methods of assessing accountability, examine how successful methods might be expanded on a system-wide basis and recommend new ways to assure the public that Ontario universities are using wisely the funds they receive.

ONE COULD ALSO ARGUE THAT ANOTHER form of accountability that we ought to look at is the relationship between teachers and their students, especially the quality of undergraduate education.

It may be that the pedagogy we practise at the moment is not conducive to the kind of excellence that we want to see in our university system. There is currently much reflection on the teaching modes and practices in our institutions and, wherever that leads us, we must ensure that as students pass through our system they are provided with multiple opportunities to think critically and interact at an intellectually high level with their fellow students.

There are many challenges that face Ontario universities and some of these require changing people's thinking, taking risks, even breaking moulds. But whether we are dealing with restructuring and reshaping the system or with questions of accessibility, equity or accountability, the key to success will be our ability to collaborate and enter into meaningful partnerships with one another.

I am convinced that the government's commitment to accessibility, equity and quality education is shared by all stakeholders in the post-secondary system, as is an understanding of the need to be fiscally responsible in especially difficult times.

Given the high calibre of those who work and study at our universities, I am confident we can turn present circumstances into a long-term benefit if we face the future in the right spirit.

What is clear is that government alone cannot find the solutions to deal with the pressures on the university system. Let us look upon this time as an opportunity for all of us to work together to reshape our universities creatively so that they may continue to express the educational excellence that Ontario will depend upon for its future prosperity.

Richard Allen is the provincial minister of colleges and universities.



THE KEY TO SUCCESS
WILL BE
COLLABORATION
RICHARD ALLEN

Over the last year, this larger debate about accountability has presented itself in several forms.

For example, if our universities are to respond fully to the needs of all Ontarians, all must feel there is a legitimate place